

LEASE
AME.
Miss Sm
r. Billie
r. Champ
r. Panel
r. Frise
r. Litt
r. Tony
r. Saye
r. Sp
Miss Sor
Miss Fin
Miss Sm
LEASE

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MAY 16 1953



**Makers of
High Quality
Pharmaceuticals
During Ten Reigns**

GEORGE II .. 1727—1760

GEORGE III .. 1760—1820

GEORGE IV .. 1820—1830

WILLIAM IV .. 1830—1837

VICTORIA .. 1837—1901

EDWARD VII .. 1901—1910

GEORGE V .. 1910—1936

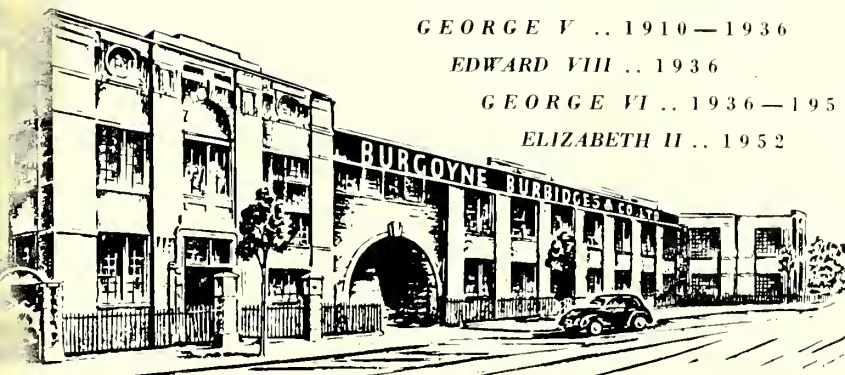
EDWARD VIII .. 1936

GEORGE VI .. 1936—1952

ELIZABETH II .. 1952

OLD LONDON BRIDGE

1741



EAST HAM · E. 6.

1953

BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED, LONDON. E. 6

'DISTIVIT' B₁₂

BRAND

solution of vitamin B₁₂



'Distivit' B₁₂ is highly effective in the treatment of pernicious anaemia, including the neurological complications of the disease.

Megaloblastic bone marrow becomes normoblastic, there is a rapid increase in the red cell count and haemoglobin level, and clinical symptoms disappear.

'Distivit' B₁₂ is also useful in the treatment of other types of macrocytic anaemia.

There are no known contra-indications to its use and there is no evidence that it gives rise to undesirable side-effects.

'Distivit' B₁₂ is issued in three strengths in ampoules containing 20, 50, and 100 micrograms per ml. in boxes of 5 × ml. ampoules.

Distributed by
BURROUGHS WELLCOME & CO.
EVANS MEDICAL SUPPLIES LTD.
IMPERIAL CHEMICAL (PHARMACEUTICALS) LTD.

Manufactured by
THE DISTILLERS COMPANY (BIOCHEMICALS) LIMITED
Speke Liverpool

* 'DISTIVIT', a trademark, is the property of the manufacturers

This is the year

Long hot summer, with three heatwaves forecast. National (full page) advertising. Bonus for display 36% margin and end-season stock guarantee.

1953 is *the* year for Simpson's Foot Ointment. Just appreciate the facts.

Eleven years' records show sales and temperatures following one another with almost uncanny accuracy. As the temperature goes up, so do the sales.

This year, three major heatwaves are forecast by the weather experts.

Advertising is therefore on a much larger scale with impressive spaces in the Nationals (including a full page) timed to appear when temperatures are highest.

Advertising will gather force as the warmer weather comes, reaching peak by mid-June. Order advisedly with heatwave sales in mind, and order with confidence. Sales are bound to be high.

If you have any surplus stock at September 30th, it will be exchanged at full value (see below).

Bonus on your initial order after 1st April, 1953. Excellent display. Improved product with guaranteed shelf life. And you get over 36%.

Simpson's NON-GREASY **FOOT OINTMENT**

DOUBLE ADVANTAGE

Bonus of 1 jar FREE for every dozen ordered; min. 3 dozen, on your initial order after 1st April, 1953, provided display is given. We also carry your seasonal risk. Any end of season surplus stocks will be accepted for full credit after 30th September and before 31st December 1953, provided it is in clean, saleable condition, was bought during 1953 and paid for in normal course. This is NOT sale or return. It is simply to relieve you of any end-of-season risk.

Sole Distributors:

WALTER CROWE LIMITED
3/4 Little Russell Street, London, W.C.2
Telephones: CHAncery 6101/3 and 7051/2 (5 lines)



Now 2/10
including tax



The manufacturers of
DETTOL submit
the following facts to your attention

Wide mention in medical literature has made Dettol a text-book antiseptic. Wide clinical use has attested the efficiency of Dettol in literally millions of cases which range from minor accident to major operation.

EFFICIENCY

Dettol is an efficient antiseptic which, moreover, retains a high degree of efficiency in the presence of organic matter.

TOLERATION

Dettol is well tolerated on the skin and tissues in high concentrations. Moreover, its non-toxicity offers a high degree of safety to doctor, nurse and patient.

STRENGTH

The fact that Dettol is well tolerated by the tissues permits dilutions to be recommended for clinical purposes which provide a margin of safety even when a reasonable amount of organic material is present.

ACTIVITY

Dettol is active against both Gram-positive and Gram-negative micro-organisms.

Under standard conditions of test a dilution of 1 in 200 kills Staph. aureus in 10 minutes; a 1 in 500 dilution kills Strept. pyogenes in 10 minutes.

COMPATIBILITY

Dettol is not incompatible with soap, traces of which need not be removed before application.

PLEASANTNESS

Dettol is non-poisonous, safe, pleasant and economical in use. It has an agreeable smell.

DATA

Bacteriological data and the literature of Dettol are available on request. Dettol is packed in 2 and 5 gallon, Purchase Tax free Dispensing containers.

Ferrous Gluconate Therapy in Iron Deficiency Anæmias

Ferrous gluconate is reported to be almost free from causing untoward

effects, particularly gastro-intestinal disturbances. It may be given when the sulphate is not well tolerated, since its actions and uses are the same. This substance, which is official in the National Formulary (U.S.A.), is presented in the form of tablets and as an elixir.

**FERLUCON
TABLETS
AND ELIXIR**

FERLUCON TABLETS *Each tablet contains 0.3 gm. ferrous gluconate and 1 mgm. Aneurine Hydrochloride. Containers of 25 and 250 tablets.*

FERLUCON ELIXIR *Each fluid drachm (3.5 ml.) contains 0.3 gm. ferrous gluconate and 1 mgm. Aneurine Hydrochloride. Bottles of 4 fl. oz. (114 ml. approx).*

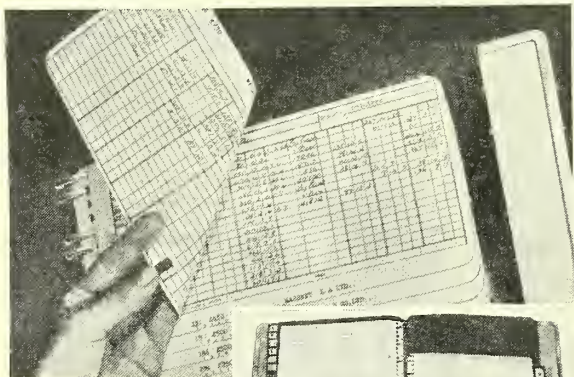
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EVANS MEDICAL SUPPLIES LIMITED

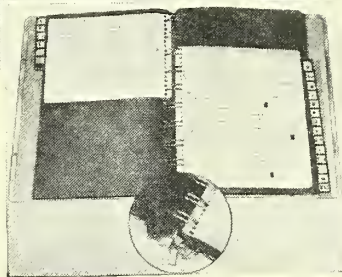
Further information on request to Medical Information Department • Speke • Liverpool 19

CHEMISTS!

A NEW IDEA IN SIMPLIFIED ECONOMICAL
ACCOUNT-KEEPING



Here is an all-round
method of controlling
all the activities of
your business . . .



A chemist's life is one of the hardest . . . so many lines to stock, so many suppliers, so many bills and such small margins of profit!

A chemist needs more book-keeping, stock-taking and clerical records than most other businesses. Yet your business won't support expensive clerical labour. So what is the answer?

First, a neat compact book that will hold hundreds of records. Second, *visible* records that can be seen without searching—and referred to or entered up in a flash.

What sort of records are needed?

They vary, of course, with every business. But all chemists want stock-cum-purchase records, complete with prices, discounts, dates, order numbers, etc.—because such a record is the backbone of the chemist's business. He needs to see how stocks are, what lines need re-ordering, what lines are selling well or hanging fire. And he ought to keep track of what money he pays out and what comes in.

The whole difficult problem has now been investigated and the right records created for chemists *by* chemists. There is a Shannoleaf record especially designed for chemists. It has a visible edge showing the commodity, price, place in shop, etc., and signalled as to whether stocks are high or low, on order, overdue for delivery, etc., and there are columns for dates of orders, order numbers, quantities, prices (wholesale and retail), discounts, cash discounts, carriage, margin of profit, when deliveries are made . . . and so on.

Every good chemist who wants to eliminate inefficiency should learn all about Shannoleaf records. And this is easy enough. Just jot "Shannoleaf for Chemists" on your letter-heading for full details.

Shannon Systems

FIRST IN FILING

THE SHANNON LTD.,

119 Shannon Corner, New Malden,
Surrey

ESôBAN

De Luxe

CREAM OF CALAMINE

- ★ A skin preparation of superb quality.
- ★ Soothes all irritant skin conditions.
- ★ Ideal for Sunburn, Napkin Rash, etc.

33 $\frac{1}{3}$ % discount + **BONUS 13** to the dozen
(3 dozen orders either size)

PLUS

5% on £5 and 10% on £10 direct orders

offered in return for a 14-day counter and window display. Attractive display material on request.



Large Size 3/6

Handy Pack 1/9

(inc. Purchase Tax)

SOUTHON LABORATORIES LTD

88 Upper Richmond Road, London, S.W.15

HOME TRADE

JKL

EXPORT

SQUILLS cut STRAMONIUM LEAVES MALEFERN ROOT PODOPHYLLUM ROOT

and all other Botanicals, Gums,
Waxes, Essential Oils and Spices

JOHN KELLYS (LONDON) LTD.
24 OLD BROAD STREET, E.C.2

Telephone: LONdon Wall 4882, 6585, 6586

Telegrams: "Ergotine, Stock, London"

NEW YORK · AMSTERDAM · HAMBURG

INDEX TO ADVERTISERS

Abbott Laboratories, Ltd.	21	Dae Health Labs., Ltd.	32
Adana Printing (Machines), Ltd.	36	Dales Tablet Makers, Ltd.	Leader Page
Addis, Ltd.	59	Daniel, Richard & Son, Ltd.	13
Algological Products Co., The	Leader Page	Davenport, J. T., Ltd.	42
Amami Waveset	12	Dettol	2
		Disprin	9
Bailey, Robert, & Son, Ltd.	48	Distillers Co. (Biochemicals), Ltd., The	Cover ii
Barker, Robert, & Son, Ltd.	52		
Berdoe & Fish	Co. Supp.	Edge, Wm., & Sons, Ltd.	50
Blyton Astley & Co., Ltd.	Leader Page	Evans, Adlard & Co., Ltd.	36
Boots Pure Drug Co., Ltd.	13	Evans Medical Supplies, Ltd.	3
Bowens Camera Repair Service	Col. Supp.		
British Drug Houses, Ltd.	28	F.A.I.R. Laboratories, Ltd.	55
British Dyewood Co., Ltd., The	37	Feedrite, Ltd.	14
Britton Malcolm & Co., Ltd.	20	Franco-British Glass Co., Ltd., The	40
Burgoyne Burbidges & Co., Ltd.	Front Cover	Freder Bros. Paper Mills	56
Burrough, James, Ltd.	Leader Page	Freudentheil, Smith & Co., Ltd.	Leader Page
Burroughs Wellcome & Co.	25, 29		
		Gibson, Robert, & Sons, Ltd.	14
Carnegie Chemicals (Welwyn), Ltd.	Cover iii	Golden, Ltd. (Trill)	53
Cartwright, W. B., Ltd.	7		
Chesebrough Manufacturing Co., Ltd.	56	Halex, Ltd.	10, 11
Christy, Thomas, & Co., Ltd.	52	Hampshire, F. W., & Co., Ltd.	26, 51
Ciba Laboratories, Ltd.	55	Hardy, M. W. (Overseas), Ltd.	45
Clinical Products, Ltd.	Leader Page	Heinz, H. J., Co., Ltd.	31
Compressed Paper Packing, Ltd.	39	Horlicks, Ltd.	18
Corn Products Co., Ltd.	44	Howards of Ilford, Ltd.	33
County Perfumery Co., Ltd.	12	Hygienic Drinking Straws, Ltd.	Leader Page
Cox, Arthur H., & Co., Ltd.	8		
Crowe, Walter, Ltd.	1	Ilford, Ltd.	28
Cuticura	41	Imperial Chemical (Pharmaceuticals), Ltd.	15

(continued overleaf)

Packed to attract in a *NEW* pack!

Have you seen the striking new Derbac pack that attractively and tactfully draws attention to the one product that has been curing trouble in the hair for over 30 years? You can recommend Derbac with the knowledge that you are prescribing an efficacious and safe remedy.

DERBAC

SOAP | **LIQUID**
for slight infestation | for more serious cases

DERBAC COMB

Essential for use with Derbac Soap and Liquid

From Chemists Only



★ **For 30 years the proved remedy for trouble in the Hair**

PURE PRODUCTS SOAP CO. LTD., COLWICK, NOTTINGHAM

D.T.3

INDEX (cont.)

Jarrett, Rainsford & Laughton, Ltd.	36	Rapidol, Ltd.	24
Jeffreys, Miller & Co., Ltd.	22	Reed, Kenneth & Co., Ltd.	38
Jeyes Sanitary Compounds Co., Ltd.	22	Robert Windsor Soap Co., Ltd.	5, 27
Jobling, James A., & Co., Ltd.	35	Samuelson, P., & Co.	58
Jones, Samuel & Co., Ltd.	37	Sangers, Ltd.	49
Kay Brothers, Ltd.	34	Scott & Bowne, Ltd.	47
Kellys, John (London), Ltd.	4	Scott & Turner, Ltd.	54
Lastonet Products, Ltd.	34	Scruton, O., & Co., Ltd.	Leader Page
London Commercial Electrical Stores, Ltd., The ...	38	Searle, A., & Co.	41
Macdonald & Son, Ltd.	16	Sessions, W., Ltd.	Leader Page
Macleans, Ltd.	60	Shannon, Ltd., The	4
Manesty Machines, Ltd.	16	Shopfitters (Lancashire), Ltd.	46
Max Factor (Hollywood & London Sales), Ltd. ...	30	Smith & Hill (Chemists), Ltd.	56
May & Baker, Ltd.	17	Southon Laboratories, Ltd.	4
Mentholum, Ltd.	14	Spa Brushes, Ltd.	57
Mining & Chemical Products, Ltd.	40	Spicers, Ltd.	36
Mitchell, L. A., Ltd.	34	Sturge, John, & E., Ltd.	40
Monsanto Chemicals, Ltd.	43	Surgical Hosiery Co., Ltd.	52
Moseley, David, & Sons, Ltd.	52	Tintex Dyes, Ltd.	Leader Page
Myers of Old Street	Cover iv	Tomlinson & Haywood, Ltd.	54
North British Rubber Co., Ltd., The	42	Trapow, D., & Co., Ltd.	37
Orridge & Co.	Col. Supp.	Vernon & Co., Ltd.	36
Parke, Davis & Co., Ltd.	19	Vitamins, Ltd.	50
Pifco, Ltd.	48	Vitapointe, Ltd.	23
Progress Shaving Brush Co.	50	Waide, Thomas, & Sons, Ltd.	39
Pure Products Soap Co., Ltd.	5, 27	Waterhouse for Shop Equipment	46
Racasan, Ltd.	58	Webster, Isaac, & Sons, Ltd.	38
Rankin Brothers & Sons	Leader Page	Wesley, Harold, Ltd.	52
		Westminster Laboratories, Ltd.	6
		Whitaker & Co. (Kendal), Ltd.	22
		Windschuegl, Chas. H., Ltd.	46
		Wright, Layman & Umney, Ltd.	8
		Zebs Laboratories, Ltd.	24



A NEW AND SAFE LAXATIVE
FOR USE IN
OBSTETRICS and GYNACOLOGY

Senokot

CHOCOLATE LAXATIVE GRANULES

"The preparation was given as the routine aperient to 100 puerperal women . . . Compared with castor oil . . . senokot proved preferable. Many of the patients given castor oil had relative constipation afterwards, whereas with senokot normal bowel habit was more quickly resumed. The patients themselves found the senna more acceptable."

The Lancet, 21st March 1953

SENOKOT is not advertised to the public, has no official equivalent and may be prescribed under the N.H.S.
Literature and sample on request.



WESTMINSTER LABORATORIES LTD., CHALCOT ROAD, LONDON, N.W.1

W. B. Cartwright Ltd.

MANUFACTURING CHEMISTS, RAWDON, Nr. LEEDS

announce PRICE REDUCTIONS

MOORLANDS Indigestion Tablets

Retail Prices :	Packet of 4 Rolls (40 tablets)	1/-	Wholesale :	7/2	per dozen
	Packet of 8 Rolls (80 tablets)	1/11		14/-	per dozen

LOBELLINE

FOR COUGHS AND COLDS

Retail Prices :	Small size	1/8
	Large size	3/10

URILLAC Tablets

Retail Prices :

9½d, 1/7, 3/10

PENETROL Preparations

Inhalant : Small bottle 2/8 Large bottle 4/-

Inhaler : 1/11 — Drops : 1/11

PENETROL Quick Vapour Rub 1/7

PENETROL Pastilles : 1/9

PENETROL Tablets : 1/6 & 3/10

THE COX ORGANISATION
is able to supply an expanding range of
PILLS & TABLETS
in any quantity at competitive prices
dependable high quality • superb finish

Bulk or packed
Coated or uncoated
Standard or private formulae

LABORATORY CONTROL THROUGHOUT PRODUCTION

The Organisation's Technical
staff is always available for
consultations or discussions

Your enquiries will be welcomed by

ARTHUR H.
Cox of
BRIGHTON
& CO. LTD.

NEW RETAIL PRICES
FOR WRIGHT'S COAL TAR SOAP
and Wright's Coal Tar Specialities

RETAIL PRICE			RETAIL PRICE		
each			each		
s.	d.		s.	d.	
Wright's Coal Tar Soap, toilet size	8½		Wright's Coal Tar Pills	1	2½
bath size	1	5	Wright's Coal Tar Shampoo Powders		5
Crinagen—Wright's Coal Tar Hair Lotion ..	3	2½	Wright's Coal Tar Shampoo, Liquid Soap ..	1	11
Wright's Coal Tar Liquid Soap, 10 oz. ..	3	9	Wright's Coal Tar Shampoo, Liquid Soapless ..	1	11
Wright's Coal Tar Liquid Surgical Soap, 10 oz.	4	0	Wright's Coal Tar Shaving Cream, Lather ..	2	1
Liquor Carbonis Detergens, 3 oz.	2	4½	Wright's Coal Tar Shaving Sticks in bakelite		
8 oz.	4	5	containers	2	2
16 oz.	7	4½	Wright's Coal Tar Shaving Stick Refills ..	1	4
Wright's Coal Tar Nursery Powder	1	7	Wright's Coal Tar Talcum Powder	2	1
Wright's Coal Tar Ointment, small tins ..	1	2½	Tonsor-Wright's Coal Tar Brushless Shaving		
			Cream	2	1

The following retail prices are unchanged :

	s.	d.
Wright's Coal Tar Inhaler or Vaporizer ..	6	8 each
Absorbent Blocks	1	0 ..
Wright's Coal Tar Vaporizing Liquid, small	1	9 ..
large	5	4 ..

Disprin overcomes the defects of both aspirin and calcium aspirin

The defects of aspirin are its acidity and low solubility. The defect of calcium aspirin, as generally prepared, is its liability to chemical breakdown and consequent contamination. By providing pure calcium aspirin in stable, soluble, palatable tablet form, 'Disprin' overcomes the defects of both aspirin and calcium aspirin, and combines the advantages of both.

Aspirin dosage can now be administered for its analgesic, antipyretic and anti-rheumatic effects in a complete solution which is both palatable and bland. Extensive clinical trials carried out in leading hospitals show that, even in large amounts given over prolonged periods, Disprin is unlikely to cause gastric or systemic disturbances, except in cases of extreme hypersensitivity.

Thus an obstinate and long-standing problem in aspirin therapy has been solved.

DISPRIN

REGD.

Provides stable, soluble, palatable, calcium aspirin

In all conditions which call for up-to-date aspirin therapy, Disprin may be advised and recommended.

50 tablet bottle 3/2; 26 tablet bottle 1/11; flat pocket folders 8 tablets 8½d. (all including Purchase Tax)

More sales per square foot

THIS TWO-TIER DISPLAY CABINET IS *FREE* AND PROFITABLE

Your counter-space can be made much more valuable than you've ever guessed.

This Halex Display Cabinet does TWO JOBS IN ONE.

1 It sells Halex "Rondated" Tooth-brushes and sells them *fast* because they are at eye-level, giving customers a close-up view of shapes and colours.

2 Without taking an extra inch of counter space it quickly catches the toothbrush customer's eye — **and adds a**

Halex hand-finished comb to her purchase.

THIS SOLID CABINET IS FREE with quite a moderate order for Halex Tooth-brushes and combs. Indeed there is an additional 5% discount on an order for only 6 dozen of each. Ask your usual supplier for details.

HALEX

LTD., HIGHAMS PARK, LONDON, E.4

from your counter!



SHOWROOMS (where specimen cabinets are on view):— LONDON : 9, Conduit Street, W.1.
MANCHESTER : 7, Pall Mall, Manchester 2

**IT PAYS TO
SHOW THE
BIGGEST-SELLING
WAVE SET
OF ALL!**

Amami Wave Set



More Amami Wave Set is sold than all other setting lotions combined. The biggest-ever advertising campaign for a home set is ensuring this outstanding lead. Show **Amami** and reap the full benefit of the advertising power behind you. Make your displays turn the **Amami** demand to your own advantage. Now is the time to be sure that stocks are complete.

Sole Selling Agents for Amami Preparations—
County Perfumery Company Ltd.,
County Building, Honeypot Lane,
Stanmore, Middlesex.
Telephone: WORDsworth 4321

AWT.2/4

PENICILLIN PREPARATIONS

LOZENGES · TABLETS · OINTMENTS · Etc.

Aids to Dispensing Outfits of Creams and Drops

MANUFACTURED BY



DISTRIBUTED BY

MOORE MEDICINAL PRODUCTS LTD

1 QUEENS TERRACE
ABERDEEN. Tel: 27233

64 GLOUCESTER PLACE
LONDON, W.1. Tel: WELbeck 5718/9

Detailed Price List on Request.

**In the HAY-FEVER
months, there's a
rise in the demand for**

Make sure *now* that you will have adequate stocks of Fenox on hand. People who are liable to Hay-Fever have found that Fenox is the nasal decongestant of choice.

Fenox gives immediate and prolonged relief with

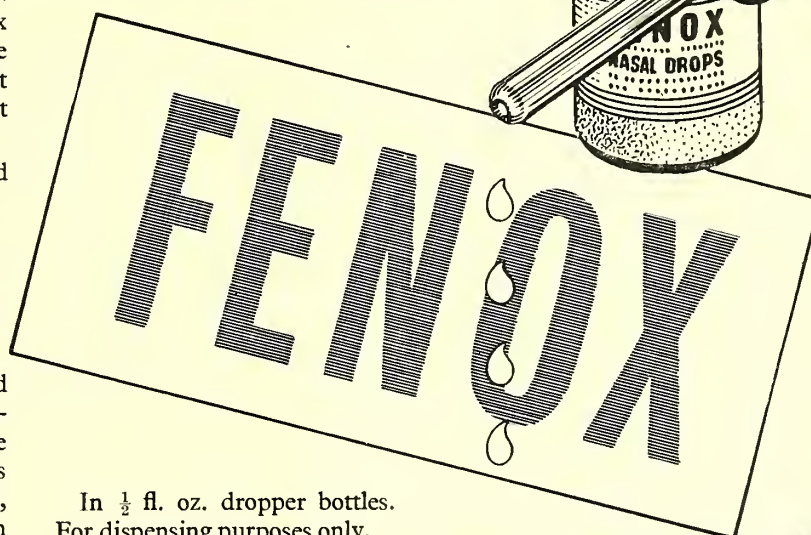
**No irritation of inflamed
mucosa**

**No impairment of ciliary
action**

No undesirable side-effects

Fenox is water-miscible and non-oily. Because of its viscosity, Fenox adheres to the nasal mucosa and its effect is concentrated at the desired site, reducing the risk of pollen asthma.

FENOX — Nasal Drops of Phenylephrine and Naphazoline.



In $\frac{1}{2}$ fl. oz. dropper bottles.
For dispensing purposes only.

PRICES
FACE 2/6d. TRADE 1/8d.
(Exempt from Purchase Tax).

Literature and further information
from Wholesale & Export Dept.,
Boots Pure Drug Co. Ltd., Nottingham
(Nottingham 45501). London Sales
Office: 71 Fleet St., E.C.4 (CEN 0111)



5157



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REALLY *Started Something!*

Every day orders prove our nation-wide advertising campaign an outstanding success.

Women all over the country are asking about FEEDRITE the Wonder Baby Feeder.

Can YOU supply their demand when they ask for a FEEDRITE Baby Feeder or do you lose the Sale—when you have to tell them you will get one for them tomorrow.

If you can, you obviously know that FEEDRITE is bringing bigger Sales—bigger Profits.



Coronation Baby Event—biggest event this year for the chemist! Have you received your Showcards and Entry Forms?

Are you ready to meet the demand created by this scheme designed to bring customers to you!

WRITE TODAY for attractive and sales compelling Showcards and Leaflets, entirely free on request.

FEEDRITE
LTD

300, KINGSTON ROAD, MERTON PARK, LONDON,
S.W.20 LIBERTY 3443/4



MENTHOLATUM

REDUCED
PRICES

MENTHOLATUM BALM

JARS and TUBES - - - Retail 1/11
Wholesale 14/- dozen Tax 3/6

POCKET TINS - - - Retail 8½d.
Wholesale 5/2 dozen Tax 1/3½

MENTHOLATUM NASAL LIQUID

Retail 1/11
Wholesale 14/- dozen Tax 3/6

MENTHOLATUM INHALANT CAPSULES

Retail 1/11
Wholesale 14/- dozen Tax 3/6

5% Discount on 6 dozen 1/11 size or equivalent. (8½d. size counts half for discount).

ANNOUNCING

the new non-medicated

GLYCERINE

AND

BLACKCURRANT PASTILLES

containing pure
Blackcurrant Fruit Juice

**ROBERT GIBSON
& SONS LTD.**

MANCHESTER & LONDON

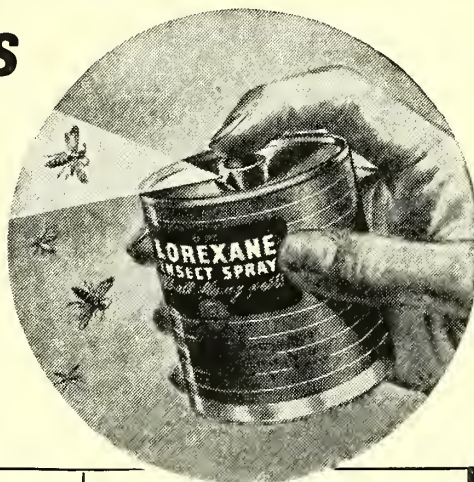
Manufacturers of
MEDICATED LOZENGES, PASTILLES
and TABLETS

Take advantage of this

Bonus offer

stock up now for the fly season at extra profitable terms

Bonus parcels of the popular 'Lorexane' Insect Spray (for the 'space killing' of winged insect pests) are offered for a limited period. Parcels are made up in three different ways, as detailed below, and there is no limit to the numbers of parcels which may be ordered while the offer lasts.



<u>PARCEL A</u>	<u>PARCEL B</u>	<u>PARCEL C</u>
6 x 6 oz. Trade price 31/6	12 x 6 oz. Trade price 63/-	12 x 12 oz. Trade price 105/-
3 x 12 oz. Trade price 26/3	3 x 12 oz. Trade price 26/3	6 x 6 oz. Trade price 31/6
TOTAL <u>57/9</u>	TOTAL <u>89/3</u>	TOTAL <u>136/6</u>
★ Bonus of 1 x 6 oz. (trade price 5/3d) given free.	★ Bonus of 1 x 12 oz. (trade price 8/9d) given free.	★ Bonus of 1 x 12 oz. (trade price 8/9d) and 1 x 6 oz. (trade price 5/3d) given free.

'Lorexane'

INSECT SPRAY
(Aerosol Pack)

Trade Mark

IMPERIAL CHEMICAL (PHARMACEUTICALS) LTD.

A subsidiary company of Imperial Chemical Industries Ltd.

WILMSLOW, MANCHESTER



CHOICE OF DESIGNS AND COLOURS

— prices to suit all your customers

THAT'S WHY

Marina

FACE CLOTHS

in their new printed wrappers, and their new colourful display outer cartons, are a good line for you.

THE HOLIDAY SEASON is almost here—that is one reason why you should have a stock of Marina Face Cloths. They are very often one of the small but important requirements for the holidaymaker.

There is a good assortment of designs and colours in the Marina series. They are woven face cloths, soft and durable, and sell at reasonable prices.



In four styles at these selling prices :
1/-, 1/6, 2/-, 2/6.

Style								Display carton of one Doz.		Retail Each
No. 1	..	..	..	..	..	..	..	8/-	..	1/-
No. 2	..	..	..	..	..	..	..	12/-	..	1/6
No. 3	..	..	..	..	..	..	..	16/-	..	2/-
No. 4	..	..	..	..	..	..	..	20/-	..	2/6

All goods carriage paid in free packages.

MACDONALD & SON LTD. • HOPE MILLS • POLLARD STREET • MANCHESTER, 4

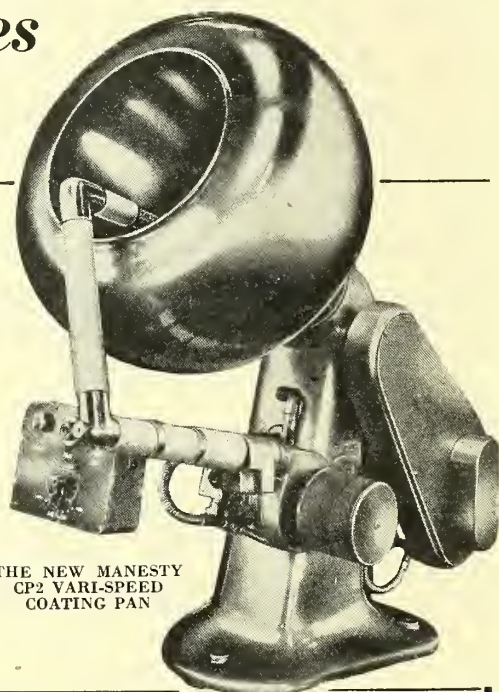
Study the advantages of this NEW

MANESTY VARI-SPEED COATING PAN

The increasing demand for a coating pan with an infinitely variable speed range has resulted in the introduction of a new MANESTY machine which offers many advantages over earlier designs. This new 'CP2' Vari-speed model meets the majority of operators' requirements in that the speed of its pan ranges from 12-36 r.p.m. It can be fitted with the latest design Type III Hot Air Blower which has the following special features: It is independent of the pan speed; has a 6-speed range (hot or cold), an 18-stage heat control, a new design air disperser and an air filter on the intake. The Hot Air Blower is optional. A constant speed 'CP2' is also available. Write to-day for fuller details of this new model.

SPECIFICATION:

Height of machine (30" pan) 58" Speed of pan (infinitely variable) 12-36 r.p.m.
Horsepower required 1 h.p. Speed of motor 1,420 r.p.m.
Floor space occupied (inc. pan) 44" x 30" Approx. net weight (pan & stand) 540 lb.



THE NEW MANESTY
CP2 VARI-SPEED
COATING PAN

MANESTY MACHINES LTD.

Dept. 5 SPEKE LIVERPOOL 19
Telephone: Hunts Cross 1972 Telegrams: Manesty, Liverpool 19

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*Medically accepted for the treatment of peptic ulcer
and other conditions associated with hyperacidity*

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DISPENSING: Tubes of 25 tablets. Price to pharmacists 24/- per dozen. Free of purchase tax for dispensing against a doctor's prescription, either N.H.S. or private.

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Euthymol

T O O T H P A S T E

leads the public to the chemist

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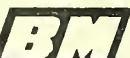
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Greater effectiveness . . . prompt and prolonged relief of symptoms . . . simplicity of use . . . these are the advantages of **SELSUN SUSPENSION** in the treatment of dandruff. In clinical studies with 400 patients, **SELSUN** effectively controlled 92 to 95 per cent. of cases of common dandruff. In most patients, itching and burning of the scalp stopped after only two or three applications. Many had used shampoos and sulphur preparations without improvement. **SELSUN** relieves symptoms for one to four weeks. Conveniently applied while washing the hair. Leaves no objectionable odour. Supplied in 4-fluid ounce bottles.

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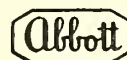
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Common dandruff controlled in 92 to 95% of cases.

Symptoms relieved for 1 to 4 weeks

Successful where other treatment has failed



For further information write to :-
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Sells because...

the product is right—Jeyes' Fly Spray is a DDT and Pyrethrins compound that combines exceptionally rapid "knock-down" and great lasting powers. It is deadly to flies, moths, wasps, mosquitoes, etc., yet is *pleasant and safe in use*, and non-staining to furnishings and polished surfaces.

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HERE'S the STING

Why is Calsol Milk a best seller? because it doesn't solidify, doesn't separate—keeps its satin-smooth creaminess on the beach, in the home—and on your shelves!

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JEFFREYS MILLER & COMPANY LIMITED.
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A FREE WINDOW DISPLAY TO HELP YOU SELL MORE

AURORAL COLD WATER DYES

In all fashionable shades, including the new Coronation Colours (Elizabethan Red, Spun Gold, and Beau Blue)

48/- gross: Retail 6d. pkt. (P.A.T.A.) Less 5% for cash in 7 days

These dyes carry a bigger profit margin than others and now, to help you sell more, we offer, free of charge, a Special Window Display dressed by specialists. This, with our extensive advertising in women's magazines, can mean record sales for you this Season. Write at once to:

LUTON STRAW HAT DYES

Standard range of twelve colours. Dull or glossy series; supplied complete with brushes for applying the dye.

Large size 18/- per doz. Retail (P.A.T.A.) 2/- per bottle
Small size 13/6 " " " " 1/6 " "

Less 5% for cash in 7 days

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DYE AND CHEMICAL MANUFACTURERS — KENDAL

***A tremendous success
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**New - from
PARIS**

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**for lovely
healthy hair**



Most hair is dry, this being the consequence of wind, sea, sun and certain chemical treatments of the hair. Hair is dry through lack of sebum, the natural oil of the hair. **VITAPOINTE** is similar to sebum. Hair treated with **VITAPOINTE** becomes glossy, easy to comb and dress with a tendency to curl, although it remains non-greasy.

VITAPOINTE does not slacken the perm. It is entirely absorbed by the hair and gives it a natural gloss.

VITAPOINTE is not only a treatment but also a dressing cream and as such should be used 2 or 3 times a week. It is perfect for dry, dyed, discoloured, bleached and brittle hair and forked ends.

TRADE PRICE 18/- Per Doz.

(Plus Purchase Tax - 75%)

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Each tube of **VITAPOINTE** gives 30 to 40 applications.

ORDER TODAY

Information and samples on request to:—

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The prices of **INECTO** are now as follows:—

SMALL SIZE OUTFITS—

RAPID and FOUR-IN-ONE*

1 Pair A & B Bottles. 4/4½ whole-sale including P.T.

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INECTO RAPID

4 Pairs A & B Bottles. 12/3 whole-sale including P.T.

RETAIL **15/9**

INECTO ENQUIRY BUREAU
27 DOVER STREET - - - LONDON, W.1
REGent 7541 (12 lines)

* Have you ordered the new Haze Blue and Copper Glow?

*Bright! Clean!
Efficient!*



DDT
FLYPAK

THE NEW NEATER PRODUCT THAT

kills flies cleanly!



Potentially this is the BIGGEST SELLING LINE in the market—a fast slayer that looks nice, smells nice, and is just what *your* customers really want! It's different, more powerful by the addition of Paradichlorbenzene and is HIGHLY PROFITABLE TO HANDLE. The fact that it is being powerfully advertised in the National Press, that it's packed in attractive dispenser container (36 each) are added reasons why *you* should sell it!

NOW'S THE TIME TO ACT

Write for terms to the sole distributors:—

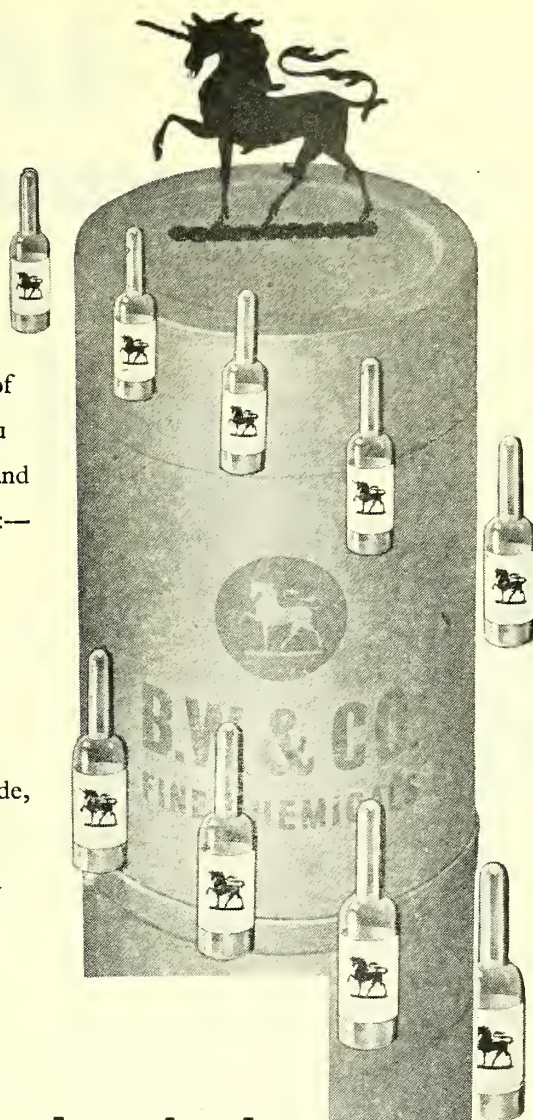
DALMAS LTD.

Junior Street,
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and 140/142 St. John Street,
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Tons or grammes...

Whether your requirements are several tons of a drug of liberal dosage or a few grammes of a potent alkaloid, you can always be assured of equally high standards of purity and quality by buying 'B. W. & Co.' Inquiries are invited for:—
 Adrenaline (base and bitartrate), Atropine (alkaloid and sulphate), Benzamine Salts, Bismuth Salts, Carbachol, Cinchophen, Digitalin Amorphous, Diphenan, Emetine Hydrochloride and E.B.I., Ephedrine and Salts, Ergometrine Maleate, Methylephedrine Hydrochloride, Homatropine (alkaloid and salts), Hyoscine Hydrobromide, Isoprenaline Sulphate, Ouabain, Physostigmine Salts, Pilocarpine Salts, Strophanthin-K, Sulphaguanidine and many other alkaloids and glycosides.



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BIG LORELOX

ADVERTISING NEWS !

BRILLIANT NEW SHAMPOO

helps sets and perms last longer!

LORELOX
Soapless Shampoo

Your hair dancing with pretty high lights, aglow with good health—your hair behaving beautifully—right after washing—and staying just the way you set it—that's what brilliant new LORELOX Soapless Shampoo can do for you! Here is a shampoo that does even more than make hair silky, lustrous, shining clean right down to the roots. LORELOX Shampoo contains "Textreme", the brilliant scientific discovery that protects every single strand from becoming 'washed-out' and impoverished, that actually tones up the structure and adds to its tensile strength and elasticity—so that your hair retains the rich body texture and resilience it must have if a 'set' is to stay put and a perm retain its permanence and strength.

As all good chemists including Boots and Tinsley, Whitt & Tinsley

5d. Generous Size Packet

LORELOX
SOAPLESS SHAMPOO

To give your hair that "well-groomed" look—
LORELOX
HAIR STYLING LOTION
3 1/2 per bottle from Chemists and Druggists everywhere

2/6
LORELOX
Hair Styling Lotion

LARGE SCALE CAMPAIGN TO LAUNCH NEW SUCCESS-PROVED LORELOX SHAMPOO

It's a success, already. Striking new magazine and newspaper advertising campaign will stimulate still greater demand.

and a

BIGGER-THAN-EVER ADVERTISING SCHEME FOR FAST-SELLING LORELOX HAIR-STYLING LOTION

Lorelox is going to the heads of smart women all over the country. Now with this great new campaign it will go still further—to *your* profit.

LORELOX advertisements will be seen more than 251 million times in:

NEWS OF THE WORLD	SUNDAY PICTORIAL
PEOPLE	DAILY MIRROR
WOMAN'S ILLUSTRATED	WOMAN'S OWN
WOMAN	WOMAN'S WEEKLY
REVEILLE	PICTUREGOER
PICTURE SHOW	TRUE STORY, TRUE ROMANCES
HOME CHAT	HOME NOTES
MODERN WOMAN	TRUE CONFESSIONS
WOMAN & BEAUTY	GOOD TASTE

Yes! This two-line turnover tonic for sales will make more than 251,000,000 separate impressions on your potential customers! (Figures based on Hulton's Readership Survey).

*We are bumping up demand so **YOU** can boost **YOUR** profits*

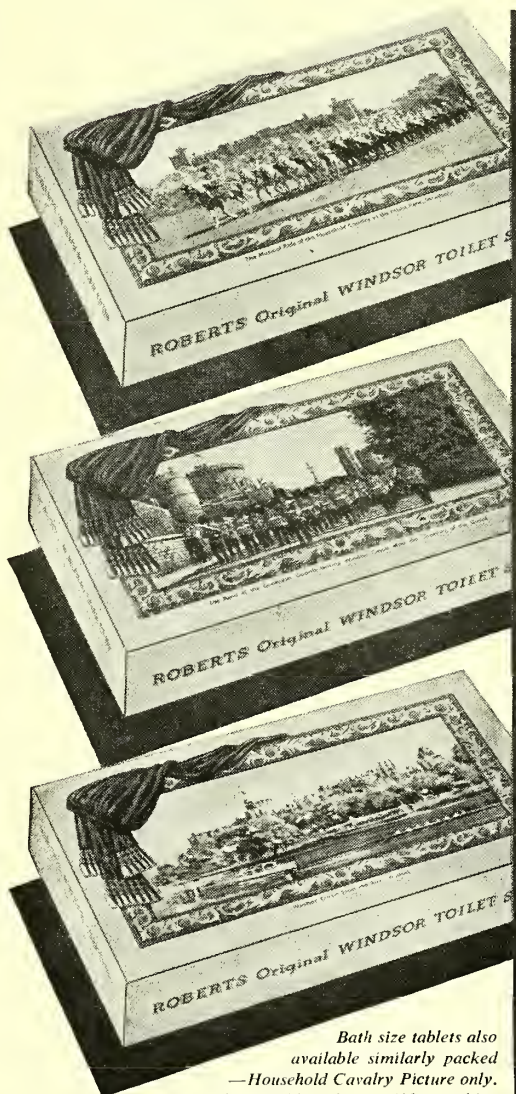
See that your stocks and free display material are lined up to direct the Lorelox buying boom in *your* direction.

F. W. Hampshire & Co. Ltd., Manufacturing Chemists, Sunnysdale, Derby.



By Appointment Toilet Soap Manufacturers to the late King George VI, King George V, King Edward VII and Queen Victoria.

These exclusive
"ROYAL WINDSOR"
CARTONS
 will treble sales!



*Bath size tablets also
 available similarly packed
 —Household Cavalry Picture only.
 Retail price 4/6 per box or 1/6 per tablet.*

1. *The Musical Ride of the Household Cavalry in the Home Park, Windsor.*
2. *The Band of the Grenadier Guards leaving Windsor Castle after the Changing of the Guard.*
3. *Windsor Castle from the River Thames.*

Get ready for a big increase in your turnover when you display these colourful new cartons. They each contain three different varieties of Roberts Original Windsor Toilet Soaps and retail at 2/3d. Most customers will buy complete cartons of three tablets when they see these attractive scenes of Royal Windsor in full colour. And single tablets can still be sold at 9d. each. Throughout this Royal Year you'll be needing ample stocks of this famous toilet soap in the new exclusive 'Royal Windsor' Cartons. Send your order to Windsor or tear out this advertisement and ask us for Price Lists.

ROBERTS
 ORIGINAL
WINDSOR
Toilet **SOAPS**
 (9 VARIETIES)



ROBERTS WINDSOR SOAP CO. LTD., WINDSOR, ENGLAND
Established in Windsor for 120 years.



CORONATION SCENES *in Colour*

The colourful pageantry of the Coronation celebrations will mean that more of your customers than ever will be asking for ILFORD 35 mm. Colour Film D this year. Fortunately, this brilliant natural colour film is now in good supply, so stock up in time to get your share of the extra business.



ILFORD 35 mm. COLOUR FILM D in 20-exposure cassettes. Price 17/9d. includes processing and card mounts.



There'll be a bigger demand for these films TOO!

● **ILFORD HP3** Roll and 35 mm. Films for high-speed, artificial light and dull-weather photography.

● **ILFORD SELOCHROME** The popular amateur Roll Film for general outdoor photography.

● **ILFORD FP3** Roll and 35 mm. Films for negatives of superb enlarging quality.

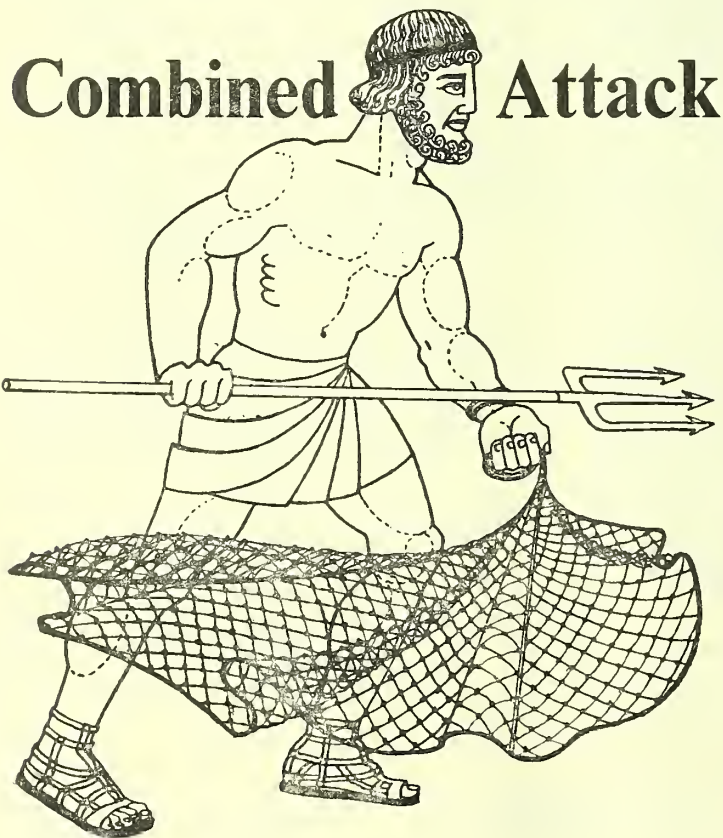
● **ILFORD 35 mm. PAN F** The connoisseur's choice for grainless enlargements.

ILFORD ROLL and 35 mm. FILMS

ILFORD LIMITED

ILFORD

LONDON



The combined use of Mycil Ointment and Mycil Dusting Powder provides effective *non-mercurial* treatment for athlete's foot and other fungal infections of the skin.

Mycil Ointment penetrates deeply to the site of infection.

Mycil Foot Powder protects against reinfection after clinical cure has been effected and is a useful agent with which to combat excessive perspiration.



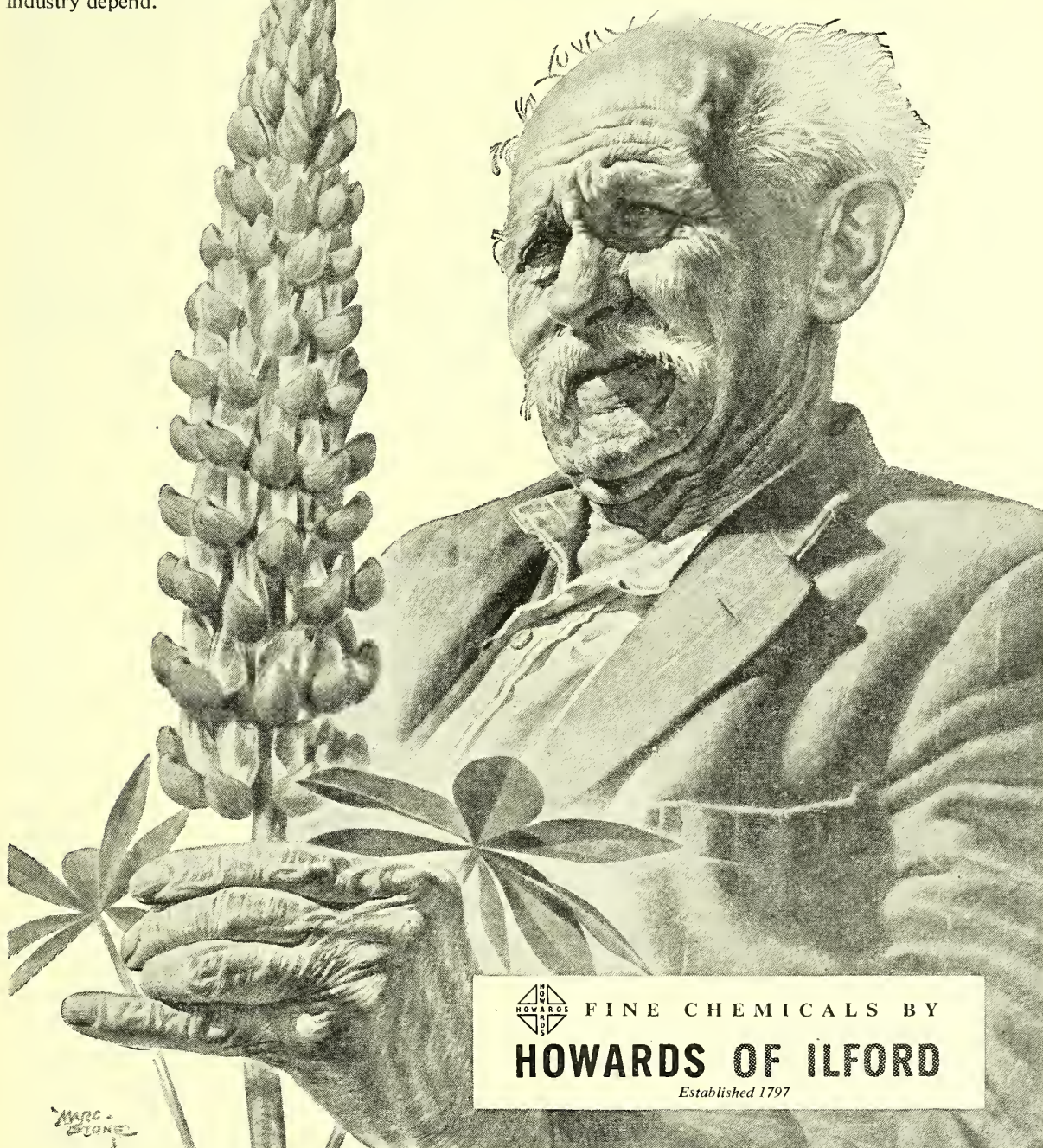
'MYCIL'

'MYCIL' OINTMENT
in collapsible metal tubes
Trade 1/6 Retail 2/8

'MYCIL' FOOT POWDER
in sprinkler tins
Trade 1/6 Retail 2/8

THE BRITISH DRUG HOUSES LTD. LONDON N.1
MYC/T/11

Achievement in our time 'If you would see my monument look around you.' That is a proud epitaph indeed, and it might stand in any modern garden to mark the achievement of George Russell. For this great lover of flowers and wisely simple countryman has enriched the herbaceous border with the glorious Russell Lupins. With green and loving fingers he coaxed out of the plain blue flower a flood of hybrids that have left gardeners forever in his debt. *Achievement in our time* comes only as it always came—by mastery of technique based on knowledge and devotion. It is our conviction that this can also mark the attitude of a chemical house on which the health of men and the progress of industry depend.

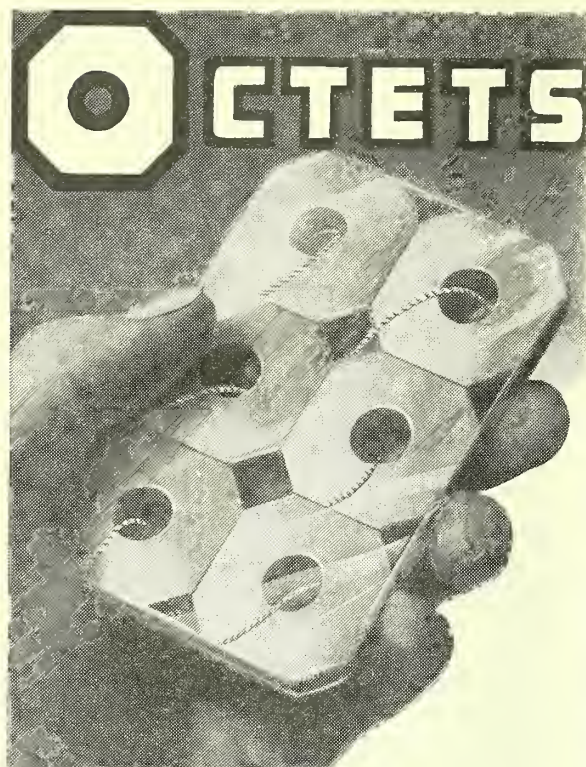


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Established 1797

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LACTATES • QUININE • SALICYLATES • SORBITOL • TABLETS • THYMOL

TBWA2.



Prevent and Kill Moths — for sure

Here's a quick-selling line that carries the full 33 $\frac{1}{3}$ % profit for you. Octets are free from the over-pungent smell of most moth preventers. They have a lavender perfume, and each is holed and threaded ready to hang in the wardrobe. Packed in red, white or blue cellophane, 6 in a pack, selling at 9d. Attractive counter display pack holds 3 dozen packs.

It's another reliable line

from

KAY BROTHERS LTD., STOCKPORT

(1)

Mix well before selling.

RECIPE FOR A BETTER FINISHED PRODUCT

1. Have the ingredients ready in a vessel, vat or drum.
2. Clamp a Mitchell agitator to the side and mix thoroughly, efficiently and economically.

This recipe for successful mixing has been tried and proved by many famous firms. Why not follow their example?

Mitchell

PLANNED AGITATION

L. A. MITCHELL LTD., 37 PETER ST., MANCHESTER 2
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MX.59

Ⓔ4

Be sure of satisfaction



A real Lastonet surgical stocking is finer and cooler and does, of course, fit perfectly. It is also invisible under ordinary stockings and stretches equally in all directions to afford full, even support. See you have a supply of Lastonet self-measurement forms.

**sell only
GENUINE**

Lastonet

the original elastic net stocking
ALWAYS MADE TO MEASURE
the stocking with six months' guarantee

LASTONET PRODUCTS LTD. • CARN BREA • REDRUTH • CORNW. ALL



'PYREX'

Regd. Trade Mark

BRAND

*Laboratory and
Scientific Glassware*



'PYREX' Brand Laboratory and Scientific Glassware is made *only* by James A. Jobling & Co. Ltd., the original and the largest manufacturers of heat-resisting Glass in the United Kingdom.

All such glassware fabricated from 'PYREX' Glass in Sunderland carries the 'PYREX' trade mark indicated below, as a guarantee that it is Jobling-made throughout.

When ordering, kindly insist on 'PYREX,' the first name in heat-resistant glass. If you have any difficulty in obtaining your 'PYREX' supplies, please write to the sole manufacturers at Wear Glass Works, Sunderland.

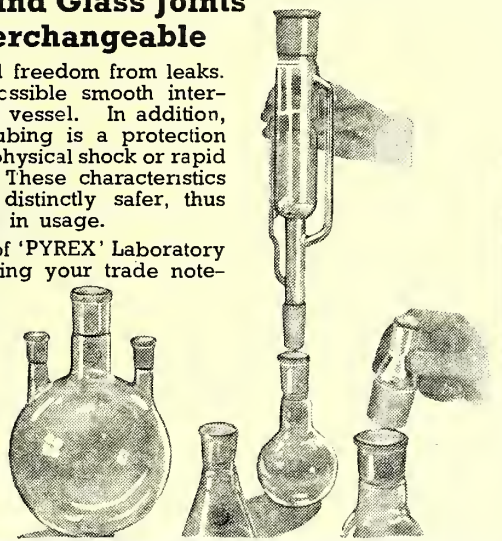
'PYREX' Brand Ground Glass Joints — Standard — Interchangeable

They ensure perfect fit, and freedom from leaks. Standard adaptors make possible smooth interchange between vessel and vessel. In addition, the robust walling of the tubing is a protection against fracture from actual physical shock or rapid exchange of temperature. These characteristics make 'PYREX' Glassware distinctly safer, thus leading to greater economy in usage.

Send for complete booklet of 'PYREX' Laboratory and Scientific apparatus, using your trade note-paper, or attaching your professional card.



STANDNO. B 5



Special Apparatus

We can fabricate glassware to your own design, made to serve your specific purposes, and we welcome your enquiries.

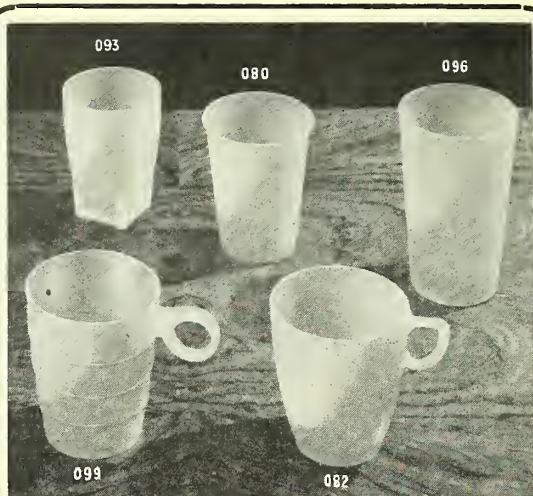


JAMES A. JOBLING & CO. LTD.

Wear Glass Works Sunderland

The original and only makers of 'PYREX' Brand Glass in the United Kingdom.





Stock Twinco Tumblers because—

- ★ Only first-grade Polythene used.
- ★ Best selection of translucent colours, not available elsewhere.
- ★ Largest range—including new shapes.
- ★ Easy to clean inside.
- ★ Will not break or chip. No losses in stock.
- ★ Hygienic in bathroom, nursery, kitchen, hospitals. Ideal for picnics, etc.

ASK YOUR WHOLESALE

Manufacturers:

JARRETT, RAINSFORD & LAUGHTON, LTD., BIRMINGHAM



- ★ Goes on Easily
- ★ Stays on Firmly
- ★ Comes off Cleanly

SELLS ALL THE TIME

PRESTOBAND

THE ANTISEPTIC SELF-ADHESIVE BANDAGE

Sticks to itself—but not to the skin

Packed in forceful cartons and easy-selling display outers. Backed by extensive advertising. Free samples available for counter distribution.

Selling prices: $\frac{1}{2}$ " x 4 yds. — 7d.
1" x 4 yds. — 9d. 2" x 4 yds. — 1/6d.
GENEROUS TRADE TERMS

Made by VERNONS of Preston

Sole Distributors: FASSETT & JOHNSON LIMITED
86 Clerkenwell Road, London, E.C.1 and 6 Crow Street, Dublin



The wrapped and sealed I/- ROLL with a generous profit margin

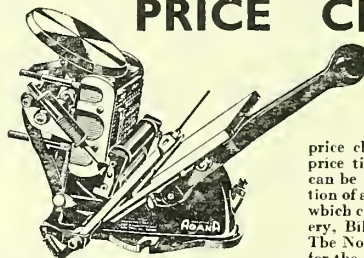
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A1 Toilet Tissue

Also in flat packs

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AND MONEY



The bugbear of continual price changes and alterations to price tickets and window notices can be overcome by the installation of an Adana Printing Machine which can also be used for Stationery, Bill Heads, Labels, etc. etc. The No. 1 Model (quite adequate for the purpose) costs as little as

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ADANA
No. 1
£4 . 17 . 6

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or call for a demonstration at our
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NEWMAN Self-feeding GUMMING MACHINE

In go 500 labels. Touch-bar control brings them out, one by one, ready gummed—at any speed you like up to 120 a minute. This NEWMAN Self-feeding Gumming Machine is low in first cost, requires a minimum of maintenance and attention, and is absolutely reliable in operation.

A wide range of label sizes and shapes can be accommodated (without extra equipment). Driving mechanism enclosed yet accessible. Finger-touch operation. Current consumption less than 200 watts. No installation charge—just connect. One year's guarantee.



★ Detailed specification gladly sent on request. Send also for details of the famous Newman Labellers; Standard Machine, All Over Gumming Machine and Fully Automatic Machine for completely or partly labelling small cylindrical objects from $\frac{3}{8}$ " to $1\frac{3}{4}$ " diam.

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★ LOOK FOR THE RED CORE



GUMSTRIP REGD
SEALING TAPE

IN ALL WIDTHS — BROWN & COLOURS

★ Send for the Sample Folder
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NEW BRIDGE STREET, LONDON, E.C.4. CENTRAL: 6500



SOL-TAN



*Relief
from Pain!*

'SOL-TAN' "CLASSIC"

Cat. No. E.M. 30

Dual purpose INFRA-RED and RADIANT HEAT apparatus. Simple in construction, this lightweight floor model is attractively finished in two colours: Ivory and Eau de Nil with Chromium plated fittings. Supplied against Doctor's certificate or for professional use complete with one 500w Long-wave Infra-Red Burner, one 600w Radiant Heat Burner, and Treatment Instructions.

List Price **£9.9.0** Tax Free
Spare Burners 33/- each

Indoor Sunshine!

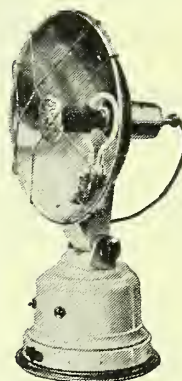
'SOL-TAN' "TRIPLERAY" 100/23 T.M.

Quartz Burner

This excellent portable model produces rich Ultra-Violet Radiant-Heat Infra-Red rays at a touch of a switch. Exceptionally well made and incorporating only the highest class materials and workmanship.

Operated on A.C. only 200/250 volt.

List Price **£19.13.3** Complete
Tax Free

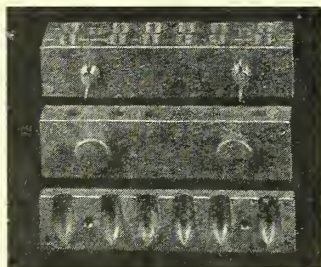


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Fully illustrated Catalogue gladly sent on request. 'Sol-Tan' Marketed for Home and Export by:—

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KIRKSTALL HILL LEEDS

CORK LINED SLEEVES

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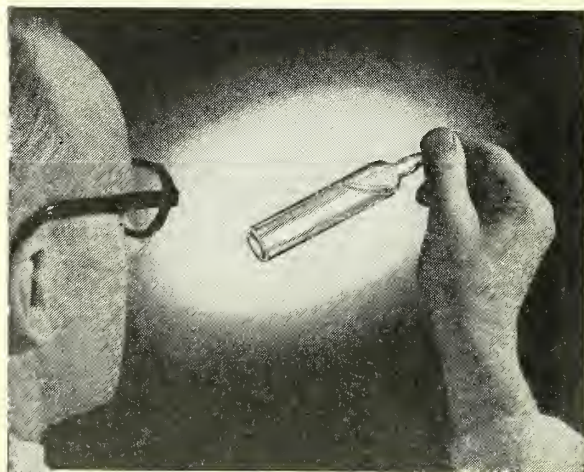
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JOHN & E. STURGE LTD.

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to all Standards**



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Rapid Symptomatic Relief.

Protective Coating of Ulcer.

Rapid Healing of Mucosa.

The preparation of choice is

BISMUTH CARBONATE

*Illustrated literature on
BISMUTH THERAPY
available from*

**Bismuth Research Dept.
MINING & CHEMICAL PRODUCTS LTD.
376 Strand, London, W.C.2**

Chlorophyll—Cuticura

Cuticura—Chlorophyll

For many years past CHLOROPHYLL—nature's own skin healing element—has been skilfully blended with fine medicaments and rich oils in the high quality, super-fatted

CUTICURA SOAPS

CUTICURA OINTMENTS

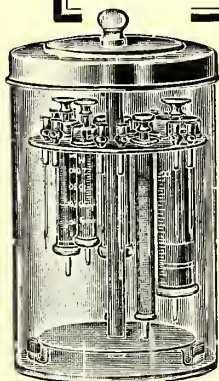
CUTICURA SHAVING STICKS

This is one of the many important reasons why an ever-growing circle of discriminating people always insist upon these soothing, protective, fragrant Preparations for every-day care of the skin. Display these firm family favourites, and make sure that this steady all-the-year-round repeat business comes to you!

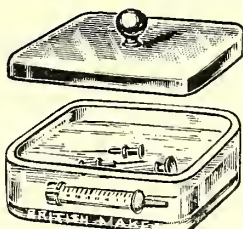
A. SEARLE & CO.

SURGICAL INSTRUMENT MANUFACTURERS

WHOLESALE AND EXPORT



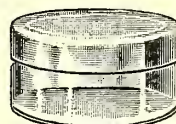
Syringe Steriliser with Extending Rack



Syringe Steriliser Tray



Ligature Winder



Glass Needle Box

A. SEARLE & CO.

SERLANCO HOUSE, 245 ST. JOHN STREET, CLERKENWELL, LONDON, E.C.1

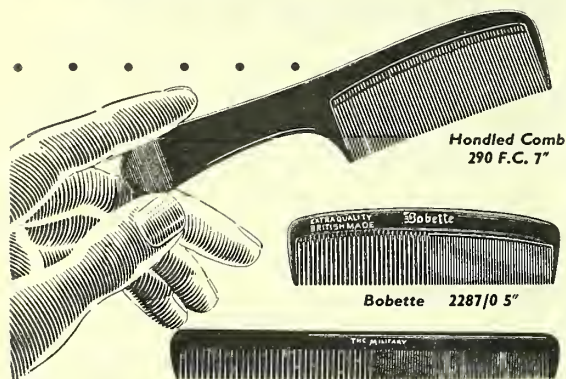
Telephones: Terminus 1617, 1618

Telegrams: "Sersurg, Smith, London"

Cables: A.B.C. and Bentleys

NORTH BRITISH *Vulcanite*

HARD RUBBER COMBS



Handled Comb 290 F.C. 7"



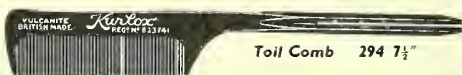
Bobette 2287/0 5"



Gents' Dressing Comb 1007 7"



Ladies' Dressing Comb 1515 7½"



Toile Comb 294 7½"



Small Tooth 677 3"



Small Tooth 611 3"

All North British combs are thoroughly hygienic and eminently *safe*. They withstand all sterilising fluids and their exceptional durability ensures a long life.

Obtainable from your wholesaler.

THE NORTH BRITISH RUBBER CO. LTD.
CASTLE MILLS • EDINBURGH, 3

Dr. J. Collis Browne's Chlorodyne

and

The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED

P.A.T.A.

Sole Proprietors:

J. T. DAVENPORT LTD.

UNION STREET - LONDON, S.E.1



D.C.M.X.

— *powerful bactericide* —

made by

MONSANTO

D.C.M.X. is one of the well-known Monsanto range of germicides. This chemical is certainly the most powerful bactericidal agent of its type available today. It combines a high R.W. coefficient, giving a low cost per R.W. unit, with a high degree of purity and negligible odour. This makes it equally suitable for the manufacture of high-class disinfectant fluids for hospital and personal use, as well as for the cheaper household types.

Like all other Monsanto products, **D.C.M.X.** is produced to consistently high standards of quality and can be supplied immediately to

manufacturers. Technical bulletin is available on request.

Other Monsanto germicides include :—

P.C.M.C.	Cresantol*-15
P.C.M.X.	Cresantol*-3

Full information from Sales Division.

(*Registered Trade Marks)

MONSANTO CHEMICALS LIMITED,

Victoria Station House,

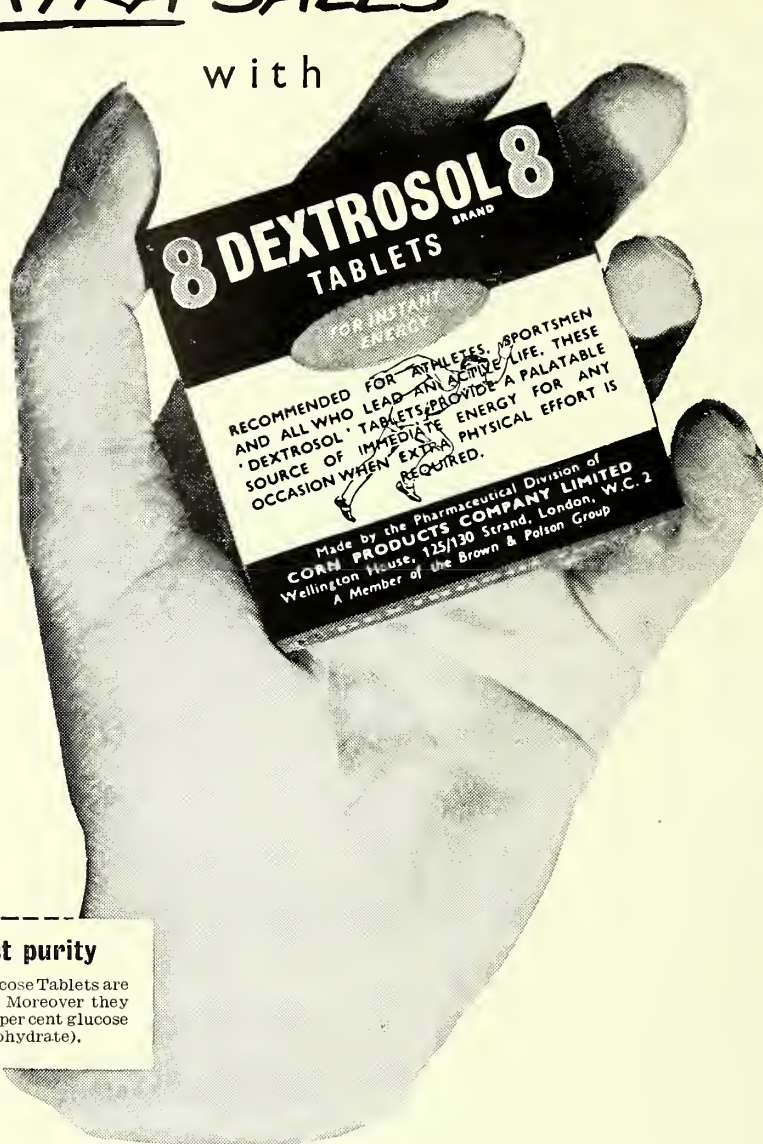
Victoria Street, London, S.W.1.



In association with:— Monsanto Chemical Company, St. Louis, U.S.A. Monsanto Canada Ltd., Montreal. Monsanto Chemicals (Australia) Ltd., Melbourne. Monsanto Chemicals of India Ltd., Bombay. Representatives in the world's principal cities

SECURE EXTRA SALES

with

**for instant energy**

Delicately flavoured, 'Dextrosol' Glucose Tablets are a source of *immediate* energy—which gives them an *immediate* appeal to everyone!

for perfect purity

'Dextrosol' Glucose Tablets are perfectly pure. Moreover they contain over 98 per cent glucose (Dextrose Monohydrate).

for speedy sales

In test areas 'Dextrosol' Glucose Tablets have *proved* themselves to be really quick-selling. No sooner seen than sold! And remember, 'Dextrosol' Tablets are an *entirely new line*.

for extra profit—On every 10½d packet of 'Dextrosol' Glucose Tablets you make at least

33⅓%
PROFIT

ORDER 'DEXTROSOL' GLUCOSE TABLETS NOW through your usual channels

DEXTROSOL GLUCOSE PRODUCTS
BRAND

FOR HOME & EXPORT

SULPHAGUANIDINE

SULPHANILAMIDE

D.D.T.

all in bulk

★ *We can supply these
and many other items
advantageously.*



M·W·HARDY
AND COMPANY
(OVERSEAS) LTD

PINNERS HALL·GT WINCHESTER ST·LONDON·E.C.2

TELEPHONE: LONDON WALL 7131

Do you like

**P.T.
?**

Now don't get the breeze up you ex-service types or you Mr. Businessman, we are not talking about physical training or even purchase tax. The letters stand for Profit, the beginning and the end of why you are in business.

Now that is something that will probably be of great interest to you. Most of us like profits... and we can tell you how to increase them. Still interested? ... right.

Use Waterhouse display fittings... sounds simple. Yes it is. They are beautifully smart, hygienic and impart lustre to any range of goods which they display. A smart shop is an attractive shop. An attractive shop brings more customers and more profits.

GET IN TOUCH WITH US FOR QUICKER TURNOVER

THE NAME IS—

SHOPFITTERS (LANCASHIRE) LTD

DISTRIBUTING ORGANISATION OF

WATERHOUSE

Makers of Fine Shop Fittings

BULL BRIDGE, ACCRINGTON, LANCs.

Telephone: ACCRINGTON 4238-9

**IMPORTERS
and
EXPORTERS
of**

PHARMACEUTICAL CHEMICALS.

All types of Botanical and
Crude Drugs for prompt
delivery from stocks or
shipment from origin . .

Established 1890

CHAS. H.

WINDSCHUEGL LTD



Cable: WINDSCHUEGL LONDON

**1 LEADENHALL STREET,
LONDON, E.C.3**

Last year more women bought '4711' Eau de Cologne than ever before

The '4711' Ritual of Freshness

1. A dash of '4711' Eau de Cologne on your forehead
2. On the nose of your nose
3. A touch behind your ears
4. From your cupped hands, draw in all the fragrance and repeat itself. Now, don't you feel wonderfully cool and fresh you feel!

That's why more women bought '4711' Eau de Cologne last year than ever before!

They were bewitched by that thrilling coolness, by the wonderful tracing fragrance that simply melts away every little trace of tiredness or stuffiness. Wonderful '4711' in bloom and cool you! When you think of Eau de Cologne—don't you? '4711' keeps you so thickly quite invincibly, of "Four-seven-eleven", don't you? '4711' keeps you so gracefully cool and refreshed, so poised and confident the living day.

and new - new - Solid '4711'!

'4711' Eau de Cologne is the most famous and best known fragrance in the world. It is a fragrance that has been known for over 150 years. It is a fragrance that has been known for over 150 years. It is a fragrance that has been known for over 150 years.

EAU DE COLOGNE

4711

TO REMIND MILLIONS OF WOMEN OF '4711' FRESHNESS AND TO ANNOUNCE THE NEW '4711' SOLID EAU DE COLOGNE.

FROM THEN UNTIL THE AUTUMN THERE WILL BE REGULAR HALF PAGE ADVERTISEMENTS BASED ON THIS THEME IN—

WOMAN
WOMAN'S OWN
WOMAN'S JOURNAL
HOUSEWIFE
DAILY SKETCH

MODERN WOMAN
VOGUE
HARPER'S BAZAAR
HOMES & GARDENS

BRITANNIA & EVE
PICTUREGOER
QUEEN
TATLER
SUNDAY GRAPHIC

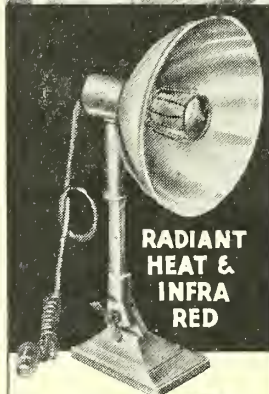
There will be, in addition, three striking roof cards displayed during the season in the London Underground. These will be seen not only by the fifth of the population who live in and around London, but also by the vast crowds who will flock to London for the Coronation and for the memorable Coronation summer.



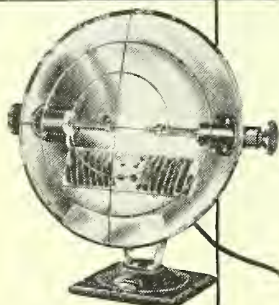
PIFCO for PROFIT



**VIBRATORY
MASSAGER**



**RADIANT
HEAT &
INFRA
RED**



SUNLAMP



**HEAT
MASSAGER**



**HAIR
DRYER**

Your regular Wholesaler can supply Pifco products.
If any difficulty in obtaining supplies, write direct.

PIFCO LTD., WATLING STREET, MANCHESTER 4

As one of the largest
Manufacturers of

TOILET ROLLS and INTERLEAVED PACKETS

we can quote
VERY KEEN PRICES
for reasonable quantities

BOX No. C5329

THE CHEMIST & DRUGGIST
28 ESSEX STREET, STRAND, LONDON, W.C.2

**AN ALL COTTON WOOL PRODUCT
OF REPUTE**

Consolux
(Registered) Patent No. 410702


**SUPERFINE QUALITY
ALL WOOL SANITARY TOWELS**

**LOOPED ENDS
NON - ABSORBENT BACK**

WHOLESALE ONLY

ROBERT BAILEY & SON, LTD.

SURGICAL DRESSINGS MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT
Phone: STEPPING HILL 3006/7 Grams: "UNDISPUTED" STOCKPORT

Good news about **Glymiel**
 **Jelly**

for you . . .

BIGGER DISCOUNTS

for your customers . . .

PRICE REDUCTION

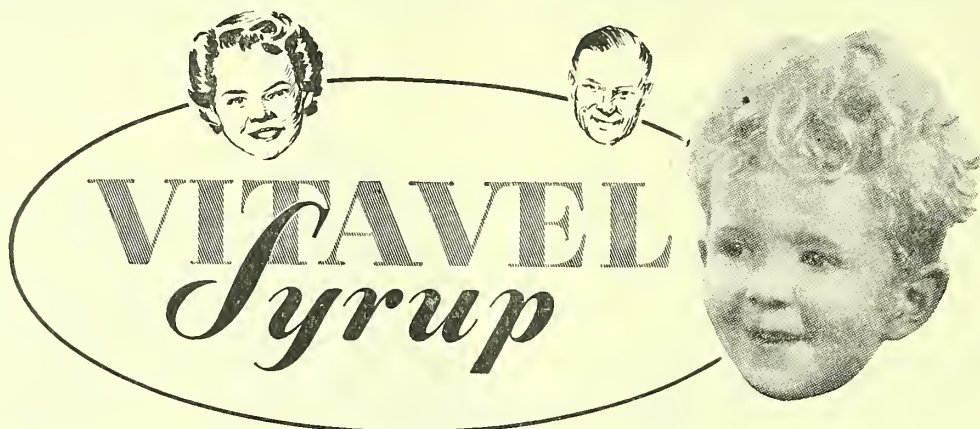
Yes, there's grand Glymiel news for you. From now on you get a discount of $33\frac{1}{3}\%$ on every order. And with the new reduced retail prices you'll sell more and more Glymiel every week. Order fresh stocks today and get the new $33\frac{1}{3}\%$ discount at once.



SIZE	NEW RETAIL PRICES (Inc. P.T.)	NEW TRADE PRICES (taxed at 75%)
SMALL	1/6	8/- PER DOZEN
LARGE	2/2	11/7 PER DOZEN

ORDER TODAY FROM
SANGERS LTD., 258, EUSTON ROAD, LONDON, N.W.1

Branches at Bristol and Newcastle



**a palatable liquid
preparation—
containing the principal vitamins
in an orange base**

FORMULA One teaspoonful (3.5 cc) contains:

VITAMIN A	2,500 i.u.	VITAMIN C	10 mg.
VITAMIN B ₁	0.5 mg.	VITAMIN D	375 i.u.

PRICES

	RETAIL	CHEMISTS	WHOLESALE
6 FL. OZ.:	3/9 each	30/- doz.	26/3 doz.
40 FL. OZ.:	24/- each	16/- each	14/- doz.

The 6 oz. bottle provides daily vitamin-insurance for one whole month.



VITAMINS LIMITED UPPER MALL LONDON, W. 6

READY SALES
from this handy
DISPLAY PACK



Designed so that the range of lovely Drummer colours can be easily seen, and your customers can make their own choice from this attractive Display piece. Small enough for your counter, yet big enough to catch your customers' eye, this is an extremely useful point-of-sale reminder.

DRUMMER DYES

SIMPLE — SAFE — SUCCESSFUL

Made by WM. EDGE & SONS LTD., BOLTON

**The shaving brush
with the TWO YEAR
guarantee**

We cordially invite you, when in London, to visit our new showrooms at:—

92 Regent Street, London, W.1

(one minute from Piccadilly Circus)

and see our range of 250 Pure Bristle and Pure Badger Shaving Brushes to suit all markets



Write for illustrated brochures and price lists

THE PROGRESS SHAVING BRUSH CO. LTD.
Mottram St., Stockport, Eng. 92 Regent St., London, W.1

F. W. HAMPSHIRE AND COMPANY LTD

wish to announce to the trade their

POST-BUDGET PRICES



SNOWFIRE BEAUTY PREPARATIONS

★

VANISHING CREAM COLD CREAM

CASES $7\frac{1}{2}^D$ each JARS $1\frac{1}{2}\frac{1}{2}^D$ each

★

FACE POWDER

CASES $7\frac{1}{2}^D$ each BOXES $1\frac{1}{2}\frac{1}{2}^D$ each

★

WAVE SET

SMALL BOTTLES $1\frac{1}{4}^D$ each LARGE BOTTLES $2\frac{1}{4}^D$ each

★

LIPSTICK

$1\frac{1}{3}^D$ each

LORELOX HAIR STYLING LOTION

$2\frac{1}{6}^D$ per bottle

★

LORELOX SOAPLESS SHAMPOO

5^D per packet

★

TODDILOX

$2\frac{1}{6}^D$ per bottle



TINS $8\frac{1}{2}^D$ and $1\frac{1}{4}^D$

LOOSE (4 lb. tins) $5\frac{1}{2}^D$ an oz.

ZUBES COUGH MIXTURE

BOTTLES $1\frac{1}{8}^D$ and $2\frac{1}{11}^D$

Products of

F. W. HAMPSHIRE AND COMPANY LTD

MANUFACTURING CHEMISTS · DERBY

GOOD NIGHTS
with a
MOSELEY



HAND-MADE
HOT WATER BOTTLE

—fabric reinforced and in two colours, red and white. Hard-wearing and reliable. Moulded hot water bottles in slightly smaller size and thickened round seams for added strength—in blue, green and red. Let us send you a trial order.

Lasts for years



**DAVID MOSELEY & SONS LTD., ARDWICK
MANCHESTER 12**

55 NEW BOND STREET, LONDON, W.1.
54 GEORGE ROAD (ISLINGTON ROW), EDGBASTON, BIRMINGHAM 15
MB.3.

POST-BUDGET

PRICE LIST

Christy's Toilet Lanoline	1/9 2/8
Christy's Liquid Lanoline	3/- 4/11
Christy's Emulsion	1/10 3/5
Christy's Lanoline Face Pack	1/3
Christy's Lanoline Ointment	1/8
Page Barker Scurf Lotion	3/2 4/4
Page Barker D.43 Shampoo	2/8
Page Barker Hair Tonic	3/2 5/5
Page Barker Shampoo Snaps	5d.
Glyco Thymoline	3/8 7/4

THOS. CHRISTY & CO. LTD
ALDERSHOT

'SURCO'

SURGICAL ELASTIC HOSIERY

SEAMED, SEAMLESS
TWO-WAY STRETCH
ELASTIC NET

SURGICAL BELTS TRUSSES AND SUNDRIES

Over 60 years' service of everything surgical

SURGICAL HOSIERY CO., LTD.

Russell Street, NOTTINGHAM
Telephone No. 75903 Telegrams: Surgical Notts

ESTABLISHED 1793

ATKINSON & BARKERS INFANTS' PRESERVATIVE

The Infants' Medicine
of 150 years' standing

For teething and digestive troubles

ROBERT BARKER & SON LTD
13 ALISTAIR STREET, MANCHESTER, 1

'Harley' Quality Products



'Harley'

SELLS AT 10½d.
FOR THE ROLL
AND 9d. FOR
THE FLAT
PACK.

Manufactured by

HAROLD WESLEY
HARLEY MILLS LONDON, N.W.10

... now comes

Trill!

*from the famous L'Oreal Laboratories
that produced a winner in* **TRESS**

Trill

Gives twice the shine of brilliantine but does not grease the hair.
Strengthens waves and curls . . . keeps hair arranged all day.
Conditions hair to supple silken beauty.

It will be backed by the same concentrated advertising in the
largest circulation Women's papers.

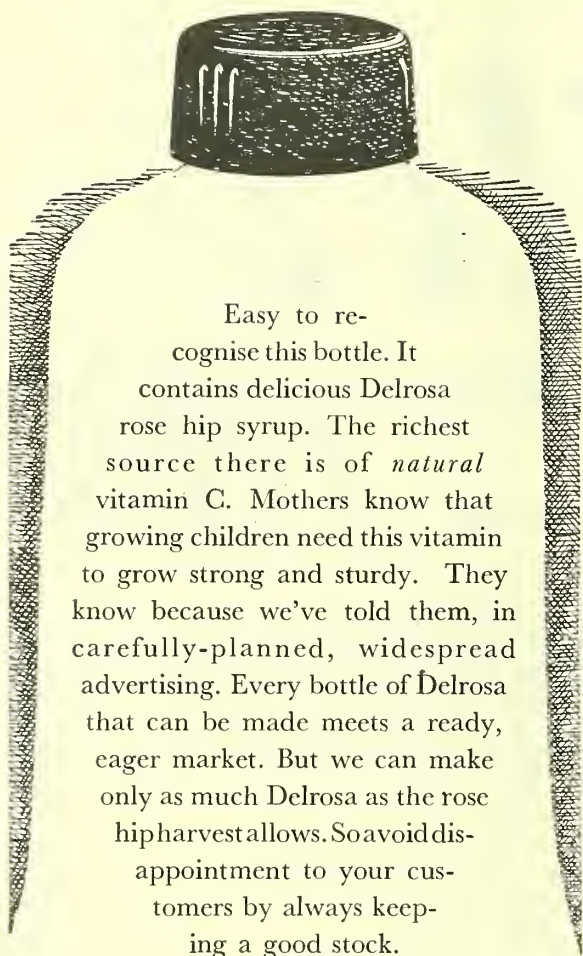
It has a similar great market waiting for it.

It is certain to be another sales success!

Trade prices,
13/8d. per dozen
plus 75% tax. Retail
price 2/6d. per tube.
Carriage free on
6 dozen lots.



The shape of something in demand



Delrosa is distributed through Chemists only.

Delrosa

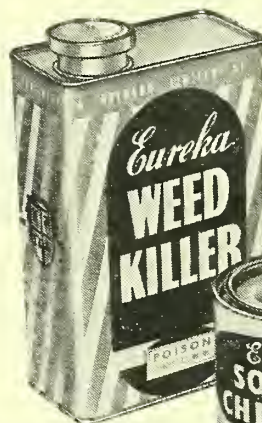
ROSE HIP SYRUP



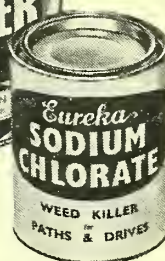
DA27/a9/52

SCOTT & TURNER, ANDREWS HOUSE, NEWCASTLE-ON-TYNE

Whether it's weedkillers-

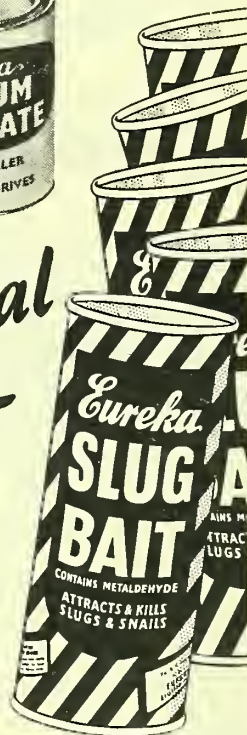


Non - arsenical 1/50 ;
Arsenical 1/50 and
1/100; Sodium Chlorate
and Selective Lawn
Weedkiller.



or horticultural products -

including such quick-selling lines as Slug Bait, Ant Killer, Worm Killer, D.D.T., Derris Dust, etc., etc.



You'll make more profit with Eureka

Send for trade prices and display now to:

TOMLINSON & HAYWARD LTD.
15 Newland, Lincoln

Eureka
WEEDKILLERS
and
HORTICULTURAL PRODUCTS

Antistin-Privine

for

HAY FEVER & ALL ALLERGIC RHINORRHOEAS

Experience shows that this preparation will be heavily prescribed during the spring and summer.

Avoid stock shortages by ordering adequate supplies through your usual channels now.

$\frac{1}{2}$ fl. oz. Pocket Nebulisers (4/-) $\frac{1}{2}$ fl. oz. Dropper Bottles (4/-)

Dispensing Packs of 4 fl. ozs. (22/-) and 20 fl. ozs. (88/-)

Subject to the usual discounts. Exempt Purchase Tax.

Antistin-Privine contains 0.5% w/v 2-phenylbenzylaminomethyl imidazoline sulphate and 0.025% w/v 2-(naphthylmethyl)-imidazoline nitrate.

CIBA

'Antistin' and 'Privine' are registered trade marks. Reg. user

CIBA LABORATORIES LIMITED · HORSHAM · SUSSEX

Telephone : Horsham 1234

Telegrams : Cibalabs, Horsham.

12/3

F.A.I.R. LABORATORIES LTD.

REDUCED PRICES OF



ROTER MEDICAL PREPARATIONS



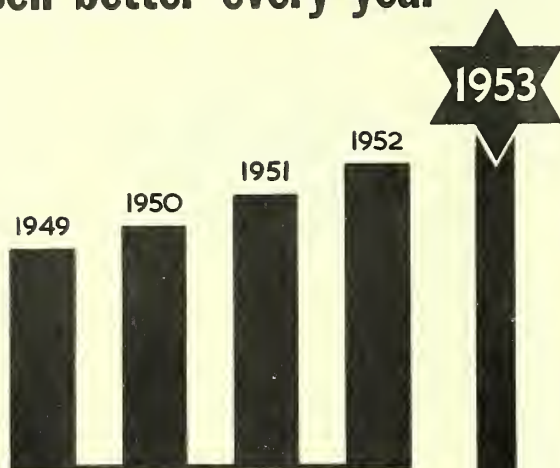
Retail Price (incl. P.T.)			Trade price per doz. (excl. tax) tax per doz.	
7/2	Roter Tablets	(40's)	54/-	13/6
20/7	Roter Tablets	(120's)	156/-	39/-
103/-	Roter Tablets	(640's)	780/-	195/-
	Roter Tablets D.P's	(720's)	864/-	Free of P.T.
7/6	Rotercholon Dragees	(60's)	56/-	14/-
17/6	Rotercholon Dragees	(150's)	132/-	33/-
	Rotercholon Dragees D.P's	(500's)	396/-	Free of P.T.

We have pleasure in announcing that, due to an improved supply position, we are now able to execute all orders for Roter tablets in full

F.A.I.R. LABORATORIES LTD. 179 HEATH RD., TWICKENHAM

Telephone : POPesgrove 2028

'Vaseline' Brand Products sell better every year



CHART, based on figures from an independent market research organization, shows increases in sales of 'Vaseline' Brand products.

SALES of 'Vaseline' Brand Hair Tonic will be higher again in 1953 because advertisements like these will be appearing regularly throughout the year in the national press—there will be more than ever before!



Chesebrough Mfg. Co. Ltd.

VICTORIA ROAD, N.W.10

MAKERS OF 'VASELINE' BRAND PRODUCTS

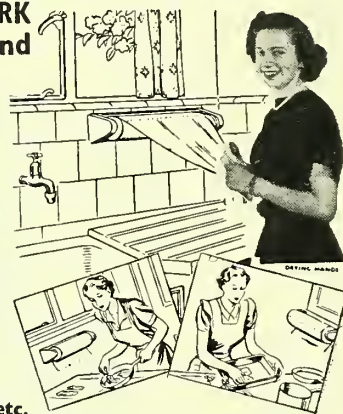
**KEEP UP YOUR STOCKS
ALL THE YEAR ROUND**

"KWICKDRY" HOUSEHOLD CREPE PAPER TOWELS

IN PERFORATED ROLLS
FOR THE MODERN HOUSEWIFE

THEY SAVE WORK
and DRUDGERY and
ARE STRONGER
WHEN WET.

They serve a multitude of purposes. Of a soft, pleasing, crepe texture "KWICK-DRY" TOWELS are very absorbent, can be squeezed like a cloth yet do not disintegrate.



FOR DRYING HANDS
DRAINING FRIED FOOD
CLEANING POTS & PANS, etc.

Wire Towel Holders supplied if required

This NEW habit is catching on! Are you cashing in?
Samples and prices from the Paper Specialists:—

FREEDER BROTHERS PAPER MILLS
BRIMSDOWN : ENFIELD : MIDDLESEX

Telephone: HOWard 1847 (5 lines).

*Grams: Sylkocrepe, Enfield

FOR

PATENTS

DRESSINGS

PILLS & TABLETS

DANGEROUS DRUGS

DRUGS & GALENICALS

ETHICAL PROPRIETARIES

SMITH & HILL

(Chemists) Ltd.

SIDNEY STREET, SHEFFIELD, 1

Phone: 24321



TOOTHBRUSHES
are made with

THE NEW NYLON *

yet...

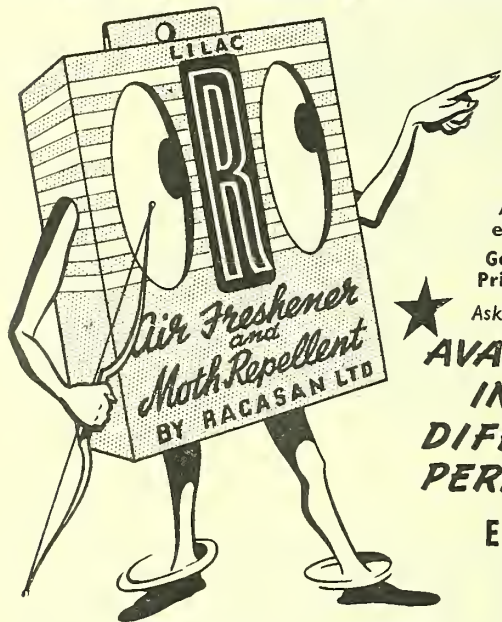
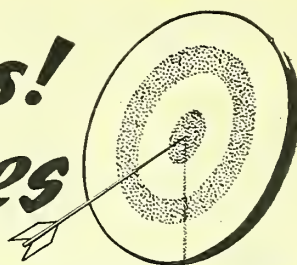
THE RETAIL PRICE
REMAINS AT 1/8

A big National Advertising campaign opens with large spaces
in the daily papers, and women's magazines on May 18
SEND YOUR ORDER FOR "SPARKLON" NOW!

* *We call it SPARKLON*

SPA BRUSHES LIMITED · CHESHAM · BUCKS Telephone: Chesham 648/9

FOR "ALL-YEAR ROUND" SALES!
This line never misses



... for this popular **Air Freshener and Moth Repellent Block** is in constant use throughout the country.

Packed in individual cartons and available in six perfumes—Heather, Lavender, Lilac, Narcissus, Pine, and Violet.

APPROVED BY GOOD HOUSEKEEPING INSTITUTE ★ NATIONALLY ADVERTISED

An excellent "buy" for Householders, Offices, Factories, etc., and an excellent Line for YOU to stock.

Good discount. 3 Dozen Assorted in Colourful Counter Display Box. Retail Price, 1/3 each.



Ask your wholesaler or write to-day for further particulars to the manufacturers:

**AVAILABLE
IN SIX
DIFFERENT
PERFUMES!**

RACASAN LTD

ELLESMERE PORT, CHESHIRE.
ALSO AT LONDON & LIVERPOOL

NIPASEPT

Combination of p-hydroxybenzoates

The harmless preservative and antiseptic for pharmaceutical and medical solutions.

Our Service Dept. will gladly co-operate with you on all technical problems.

NIPA LABORATORIES LTD.

TREFOREST TRADING ESTATE,
Nr. CARDIFF

Telephone: Taffs Well 128 & 150

Sole Distributors for the United Kingdom

P. SAMUELSON & CO.

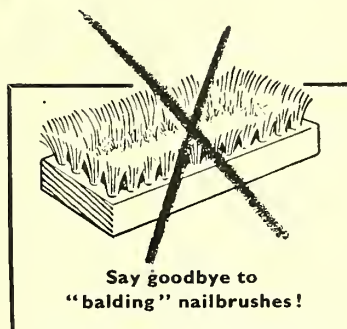
ROMAN WALL HOUSE,
1 CRUTCHED FRIARS, LONDON, E.C.3
Telephone: ROYAL 2117/8

SHOW YOUR CUSTOMERS WHY

Grippy doesn't go bald!

NEW GRIPPY'S got a *new* selling point! It's reinforced with two extra rows of nylon tufts right down the middle. So it doesn't go bald before its time! Add looks, design, novelty and—well, it's no wonder customers find Grippy hard to resist!

More and more people are asking for Grippy—it's the only nationally, regularly advertised nailbrush in the country. Stock Grippy—put the beautiful displays on your counter. Your profits will rise!



GRIPPY

THE NEVER-SLIP NAILBRUSH
WITH THE REINFORCED CENTRE

MADE BY ADDIS LTD., OF HERTFORD, MAKERS OF WISDOM TOOTHBRUSHES

J. C. ENO LIMITED

King George's Avenue, Watford, Herts

NEW MARKETING ARRANGEMENTS

From 1st June 1953 the following products will be marketed by our Associated Companies, as indicated :-

ENO'S "FRUIT SALT"
DINNEFORD'S FLUID
MAGNESIA
YEAST-VITE
VITA-YEAST

by
MACLEANS LIMITED
GREAT WEST ROAD,
BRENTFORD, MIDDX.
(Telephone : EALing 6616)

IRON JELLOIDS
CICFA
NEW-SKIN
THERMOGENE WADDING
THERMOGENE RUB

by
BEECHAM (NORTHERN)
LIMITED
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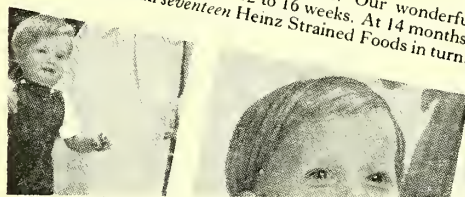




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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries.

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 159

May 16, 1953

No. 3821

CONTENTS

Accidental Poisonings ...	501-03
Alkaloid Formation ...	493
An American Newcomer to Britain ...	495
Any Business Questions? ...	503
Essentials of Treatment—11 ...	504
Exams for Assistants (verse) ...	499
Improved and New Instruments ...	492
Leading Articles:—	
"Symbolic Ill-health" ...	499
Plant and Machinery Allowances ...	499
Medical Abstracts ...	505
North London Presentation ...	495
Onward from Galen ...	500
Pharmaceutical Society of Great Britain:—Council Meeting ...	497
Scottish Department ...	494
P.D.A. Annual Meeting ...	494
Scottish Executive Election ...	496
Topical Reflections ...	487
Ulster Chemists' Association ...	495

Business Changes ...	489	P.A.T.A. ... Supplement
Coming Events ...	508	Personalities ...
Company News ...	488	Post-Budget Prices . Supp.
Correspondence ...	500	Print and Publicity ...
Deaths ...	489	Trade Marks ...
Information Wanted .	500	Trade Notes ...
Legal Reports ...	488	Trade Report ...
Local Officers ...	508	Week in Parliament .
New Packs ...	491	Wills ...

INDEX TO ADVERTISERS. Pp. 5 & 6.

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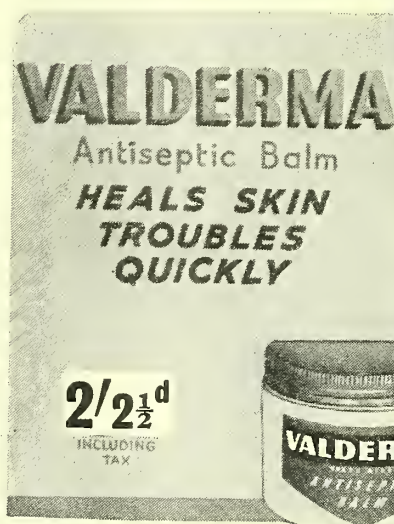
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The CHEMIST AND DRUGGIST

Volume 159

MAY 16, 1953

No. 3821

Council as Before

RUNNER-UP FAILS BY 101 VOTES

VOTING in the election of seven members to the Pharmaceutical Council closed at noon on May 13 and the votes were counted during the afternoon. All seven retiring members were returned, though only 101 votes separated the lowest successful from the highest unsuccessful.

The number of voting papers issued was 26,127; 10,066 were returned, of which number eighty-three were disallowed. The votes cast for each candidate were :—

ELECTED

HESELTINE, T.	4988
BROCKLEHURST, E. A.	4723
BURR, Miss M. A.	3908
STEINMAN, HARRY	3858
HUGHES, G. H.	3763
WELLS, F. G.	3656
MACFARLANE, C. W.	3602

NOT ELECTED

COOPER, WILLIAM	3501
BLOOMFIELD, J. C.	3481
GRAVES, H. JARVIS	2876
ROBINSON, ERIC	2200
GOODALL, E. J. C.	1848
PRIESTLEY, G. H.	1811
CONNELLY, F. H.	1808
BENJAMIN, W. S.	1773
HINCKS, Miss M. J.	1677
DURHAM, S.	1383
WEEKS, A. E.	1362
WILLIAMS, B. A.	1348
SEARLE, T. E.	1295
HALL, W.	924

HENDRA, Truro, put a question about certain large companies circularising farms. The president replied, amid laughter and shouts of "No" that farms were not situated door to door and a different principle applied.

The C. & D. had unfortunately to go to press before the commencement of the Annual Meeting at 8 p.m.

PURCHASE TAX

New proposals for assessment

A REPORT by the Purchase Tax (Valuation) Committee appointed by the Chancellor of the Exchequer in July 1952 to obtain the views of traders on the principle of assessing purchase tax at a common level, has now been published by H.M. Stationery Office (Cmd. 8830, price 1s. 9d.). It is in favour of maintaining the present

law providing for the uniform assessment on a notional wholesale value which may be different from the actual price paid by retailers. The committee is unanimous in recommending the modification of the existing practice to the effect that the tax to manufacturers who do their own wholesaling should be on the actual price, which should not be increased by the interposition of an imaginary wholesale merchant for the purpose of valuation. They are also unanimous that extra delivery charges [postage, etc.] should be disregarded for tax purposes. On this "there were very many complaints" by the traders. If in the case of a purchase by a large retailer the actual price is reduced, the majority recommend that such reduction should be disregarded. A minority report by the two lady members recommends that the tax should be charged on actual prices paid so that large stores should be enabled to pay lower tax and give consumers the full benefit of their cheaper method of distribution.

Answering questions in the House of Commons on May 12 on the report, the CHANCELLOR OF THE EXCHEQUER said that the views of traders on the recommendations might vary but that he was ready to consider any representations traders might wish to make in the near future. The question of further legislation would have to be left.

Branch Representatives and the "Code"

At the special Branch Representatives meeting in the afternoon of May 13, called to discuss the revised draft Statement on Matters of Professional Conduct, the president (Mr. W. J. Tristram) said that, as it was a special meeting, standing orders did not apply. MR. M. JACKSON, Leeds, objected, as no decisions could be taken at that meeting.

Discussion centred mainly round the wording of the second part of the introduction and the clause (21) on canvassing. MR. TALVAN REES, Cheltenham, and others, feared that department stores would be able, in non-pharmaceutical departments, to infringe the code, so putting private chemists in an invidious position. He suggested a form of words, which the president promised to consider, to overcome that difficulty.

MESSRS. H. W. TOMSKI, Harrow, E. A. TOMBLIN, Leicester, and M. JACKSON, Leeds, urged that nothing in the code on circularising should put a chemist at a disadvantage with his competitors on a purely business matter like photographic work. MR. G. J.



BRANCH WELCOMES RAMBLERS: London Pharmacy Ramblers, on a twelve-mile walk in Kent on May 3, were welcomed at their tea halt at Speldhurst by members of the Tunbridge Wells Branch of the Pharmaceutical Society. In the group are, extreme left, Mr. S. Robinson and, centre, Mrs. Robinson (leaders); with, left to right, Mrs. I. Rattee, London; Miss M. Wallis, Tunbridge Wells; Mr. Rattee; Mr. and Mrs. Hinchliffe, Mrs. N. A. Nicholls and Mr. Felix Davidson, Tunbridge Wells; Miss M. J. Thomson and Miss M. B. Turner, Romford; and Mr. Nicholls.

PHARMACY EMPLOYEES Views on Assistants and ethics

THE National Advisory Committee of the Association of Pharmaceutical Employees met in Manchester on May 3, Mr. W. S. Benjamin (assistant general secretary) in the chair. Among the matters discussed was the scheme for the training and registration of assistants in pharmacy proposed by the Council of the Pharmaceutical Society. The meeting decided that the present unregulated position of assistants was unsatisfactory and constituted a danger to the interests of employee pharmacists. The committee supported the Council's "responsible attitude" in attempting to deal with the problem; there was, however, criticism of the actual proposals, and it was decided to submit certain modifications to the Council with a view to strengthening the scheme.

On the revised draft Statement on Matters of Professional Conduct, the Committee noted with satisfaction that a major criticism offered by the A.P.E. in a recent discussion with representatives of the Council had been met in the final draft.

A report on a statement of the Retail Pharmacy Joint Industrial Council (England and Wales), on a new national agreement covering retail pharmacy employees and a report on the negotiations with the Scottish Pharmaceutical Federation were adopted.

IMPORT REGULATIONS Saccharin, glucose, theobromine

THE Saccharin (Importation) Regulations, 1953 (S.I. 1953 No. 649), made by the Commissioners of Customs and Excise prescribe the procedure to be followed by persons importing saccharin into the United Kingdom.—Under Regulations published as S.I. 1953 No. 751, manufacturers of glucose require to obtain prior approval of the Commissioners of Customs and Excise of the processes, premises and plant they intend to use, and to keep records of their manufacturing processes, etc. The method by which the duty on glucose is to be calculated is also stipulated.—Regulations laying down the conditions necessary to obtain drawback of Customs duty on any cocoa by-products and allied substances used in the manufacture of theobromine are given in S.I., 1953, No. 754. All the regulations come into operation on July 1.

ADVERTISED MEDICINES Amendments to Code of Standards

CHANGES in the British Code of Standards for advertisements for medicinal substances have recently been made. To section III (listing conditions for which medicines or appliances may not be advertised) whooping cough is added with a qualification to the effect that references to whooping cough on labels or literature issued with a product when that product is offered only for alleviating symptoms of the disease are not restricted. References to slimming are deleted from section III but in another section a prohibition on advertisements for medicines for "slim-

ming, weight reduction or limitation, or figure control" is included. Medicines intended to reduce appetite "will usually be regarded as being for slimming purposes."

PRESCRIPTION "HOARD" 38,000 forms submitted at once

THE Leeds Executive Council recently received from a chemist-contractor a consignment of about 38,000 dispensed EC10 forms for pricing. The forms relate to the period July 1948 to May 1952, and their value is estimated at about £4,800. The contractor gave as his reason for not sending in the prescriptions monthly in accordance with requirements a long illness, which caused him to become "snowed under."

The chemist promised that there will be no repetition of his failure to comply with the pricing office requirements, and has, in fact, sent in forms regularly since the Executive Council approached him in October 1952, when they first heard of the omission. What is to be done about pricing the prescriptions in arrear is under consideration.

KEY INDUSTRY DUTY Chemical exemptions under review

THE Board of Trade is now considering the question of the renewal of the various existing exemptions of commodities (mainly chemicals) from Key Industry Duty for the period August 19, 1953, to February 18, 1954. Representations on the subject should be addressed to the Industries and Manufactures Department, Division 1, Board of Trade, Horse Guards Avenue, S.W.1, as soon as possible, and in any case not later than June 6. Notices of the Orders listing the items at present exempted are published as Statutory Instruments, 1953, Nos. 188, 438, 617 and 703.

SULPHURIC ACID

Production and sales higher

LATEST figures issued by the National Sulphuric Acid Association, Ltd., show that production of sulphuric acid in the United Kingdom during the first quarter of 1953 was 450,210 tons (calculated as 100 per cent. H_2SO_4) which represented 84.1 per cent. of the total productive capacity. Total usage was 467,055 tons of which the drug and fine chemical industry took 3,127 tons. In the previous quarter the figures were:—Production, 424,630 tons; percentage production, 83.9; total usage, 428,592 tons.

"NEW OUTLOOK"

Photographic Centenary Exhibition

IN an exhibition, "New Outlook in Photography," being staged at the house of the Royal Photographic Society, 16 Princes Gate, London, S.W.7 (open until May 30, 9.30 a.m. to 5.30 p.m.), examples of the work of sixty-five leading British and foreign photographers is exhibited. The exhibition which forms part of the Society's centenary celebrations is intended to show that the Society is still interested in progressive creative ideas in the craft to which it is devoted.

LOCAL NEWS

Unused Medicine Problem

AT a meeting of the Denbighshire and Flintshire Executive Council recently, a letter from the Queen's Institute of District Nursing was received pointing out that nurses were finding in many houses unused tablets, medicines and lotions. Bottles and boxes with no indication of contents were a danger to children and others. The letter sought the assistance of Welsh Executive Councils in dealing with what was described as a growing danger. The Clerk, speaking unofficially, said that if the tablets or medicines were returned the doctor or chemist would not know the contents and analysis of them would probably cost more than the drugs themselves.

Sales Conference

THE 1953 sales conference of Aspro, Ltd., Slough, was held in the company's sports ground pavilion recently. In addition to the outside sales force of forty-five representatives, wholesalers' contacts, and area supervisors, the conference was attended by Mr. M. A. Nicholas (chairman of the board), Sir Ian Fraser, C.B.E., M.P. (a director), Messrs. J. W. Jamison (managing director and chairman of the conference), J. C. D. Hogge, N. T. Williams and J. S. Walmsley (directors) and sales and advertising executives.

After the day's business departmental heads joined the sales staff in a social evening in the Aspro hall. During the evening Mr. M. A. Nicholas presented silver trays commemorating "twenty years of loyal service" to eight employees, among whom were Messrs. G. S. Wilcox (field supervisor) and J. Entwisle (manager of the dispatch department).

Present as guests were three of the first Aspro representatives: Messrs. W. E. Dann, H. J. Rouse and W. F. Long—now all retired.

SCOTTISH NEWS

Examination of Priced Forms

THE Pharmaceutical Standing Committee (Scotland) has sent a letter to chemist contractors pointing out that requests to examine priced prescription forms must be made by the contractor to the Clerk of the Local Executive Council within two months of the date on which payment for the forms was made, and advising that any complaint regarding the pricing should be lodged with the Executive Clerk immediately after the examination. The arrangement is aimed at helping the compilation of statistics. As several contractors have had payment disallowed for items prescribed by dentists on Form EC14 the Committee has drawn the attention of chemist contractors to the fact that among other items altered by the revised list of drugs that may be ordered by dental practitioners operative from November 17, 1952, liquor phenolis alk.; liquor sodii phenatis co. (phenol soda); and phenol sodique have been superseded by collutorium phenolis alk., B.P.C.

Glasgow Dispensers Unite

AT a meeting of dispensers in Glasgow recently it was unanimously agreed to form a branch of the Guild of Dispensers and to combine with English workers in seeking statutory recognition by the Pharmaceutical Society in Great Britain. About forty dispensers from Glasgow and West of Scotland attended the meeting.

IRISH NEWS

Football Victory

THE College of Pharmacy Gaelic Athletic Association football team recently beat the Royal College of Surgeons' team in the second round of the Duke Cup competition. The game was strenuous and keenly contested and the pharmacy team won by one point. As a result of the victory the pharmacy team hopes to enter the final round for the cup shortly.

Modern Drugs

UNDER the auspices of the Irish Pharmaceutical Students' Association a well-attended lecture was given in Dublin on May 7 by Mr. D. G. Ardley (Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex). Mr. T. Farmer (president of the Association) was in the chair. Mr. Ardley dealt with the origin and development of the sulphonamides and the antibiotics. A full discussion followed.

NEWS IN BRIEF

Gift to Edinburgh.—The Lord Provost of Edinburgh has accepted, on behalf of the city, a seat which was presented by Boots Pure Drug Co., Ltd. It has been placed opposite the company's Princes Street premises.

British Wines Regulations.—The British Wines (Sweets) Regulations, 1953 (S.I., 1953, No. 643), effective from July 1, governs the making and processing of British wines for sale, the charging of duty and the application of the reliefs allowed from duty.

Prize for Liverpool Students.—An offer made by a firm of chemists of a prize of £10 10s. to the best all-round student at the end of the first year of the course for the Qualifying examination of the Pharmaceutical Society at the college has been accepted by the Liverpool Education Committee.

Travellers' Benevolent Institution.—The half-yearly court of governors of the Commercial Travellers' Benevolent Institution will be held at the Berners Hotel, Berners Street, London, W.1, on June 20, when all standing candidates will be recommended by the board for election without ballot for the seventy-second successive occasion.

SPORT

Golf.—Edinburgh Chemists' Golf Club. Competition at Dalmahoy. Club prize, D. Finlay (378; Section one, G. W. Allan (10) 81; Section two, A. Dinwoodie (15) 81; Section three (a tie), A. N. Fleming (20) and J. A. Smith (24) 87.

Golf.—ULSTER CHEMISTS' GOLFING ASSOCIATION, at Holywood Golf Club, on May 7, for Groves Cup. 1. Mr. H. Carew; 2. Mr. R. Robinson. Afternoon bogey competition: 1. Mr. J. McElvogue; 2. Mr. W. Powell.

TOPICAL REFLECTIONS

By Xrayser

A Council's Annual Report

The annual report of the Pharmaceutical Society's Council, summarised on p. 471, gives me the impression of a financial stringency not the less real for being a threat rather than an actuality. The Society's past year has been marked by some agreeable features. The munificent gift of the John Eliot Howard cinchona collection and of further specimens from Howards & Sons, Ltd., confers additional distinction on the Society's museum. Improvements have been made in the library; the newly formed History of Pharmacy Committee has done good work; and the Council has promised to "support and encourage" the formation of regional groups of branches on request. But overshadowing these activities is the question of financing future developments. In the past half-century the Society's income has increased, in round figures, twelve-fold. Yet it has, to all appearance, only just kept pace with increasing responsibilities. The significance of the sentence "Inquiries for alternative accommodation or building sites have continued to be pursued" is obvious. The cost of premises to be found sooner or later will determine the scale of some of the functions of the Society that we have come to take for granted. A case in point is the upkeep of Birdsgrove House, which during the past year had to be subsidised from the Benevolent Fund. That fact raises the question whether it will be wise to entertain, at present, any proposal for establishing an old people's home for pharmacists.

Liebig

Justus von Liebig was an important figure in nineteenth-century chemistry; and Mr. T. H. Bishop has written attractively about him on what may be called the sesquicentenary of his birth (pp. 476-77). From the Kremers-Urdang History of Pharmacy and other sources I have gathered a few additional facts about his career. For a short period he was an inspector of pharmacies in the Grand Duchy of Hesse-Darmstadt. We may infer that that work was not uncongenial, for he was willing to collaborate with pharmacists "throughout his whole life." The discovery of chloroform by Liebig and others in 1831 is stated by one author to have been preceded a year earlier by the work of Friedrich Moldenhauer—who, however, regarded the substance as a "chloric ether." In Bell and Redwood's Historical Sketch it is mentioned that Liebig and a few other foreign scientists were the guests in London of Mr. Thomas Morson, president of the Pharmaceutical Society for two terms of office, and that on a visit to the Society's laboratories the German professor suggested modifications in "two or three of the processes usually conducted by students." The changes were adopted. About a century ago one of the English periodicals dealing with chemistry published an illustration (see p. 496), purporting to show the interior of Liebig's laboratory at Giessen.

Amber

The statement in the British Pharmaceutical Codex that oleum succini is not obtained from amber but results from "the destructive distillation of certain resins or as a distillate of resin oil" has its own appropriateness, for the hard-worked noun "amber" has an interesting history, epitomised in the Oxford English Dictionary. Disregarding subsidiary uses, there are ten definitions. In 1398 the word connoted *ambergis*; that meaning persisted through the seventeenth century (it is found in Milton's "Samson Agonistes") and till 1718. The present meaning, with the alternative spelling "lamber," is nearly as old, the first quotation in the Dictionary being dated *circa* 1400. In Florio's translation of Montaigne (1598), amber was *spermaceti*: Cotgrave's French-English Dictionary (1611) named it white amber. Florio's pharmacognosy was rather confused, for he also used "amber" for liquidambar. Another old definition (1400) was "an alloy of gold and silver." The corresponding Greek word *electron* signified both amber and this alloy, thereby setting some puzzles for scholars. The remaining meanings are: St. John's wort (*Hypericum perforatum*); a pail, pitcher or urn; a cask or pitcher as a measure for liquids; a four-bushel measure for dry substances; an ambry.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

RECONSTITUTION of the Zuckerman working party on precautionary measures against toxic chemicals used in agriculture was announced by SIR THOMAS DUGDALE (Minister of Agriculture and Fisheries) to the Commons on May 4. The party would include representatives of the Agricultural Department, Agricultural Research Council, Agricultural Improvement Council, Nature Conservancy, Fisheries Departments, and the Medical Research Council. It would start at once on the third stage of its work which was "To investigate the possible risks to the natural flora and fauna of the countryside from the use in agriculture of toxic substances, including the possible harmful effects for agriculture and fisheries, and to make recommendations."

Cost of Dental Prescriptions

MR. IAIN MACLEOD (Minister of Health) gave MR. A. BLENKINSOP on May 5 the following information about the cost of dental prescriptions in England and Wales during months of 1952 and 1953:—

MONTH	NUMBER OF PRESCRIPTIONS	AVERAGE COST PER PRESCRIPTION	TOTAL COST
January 1952	21,115,577	46-51d.	£4,092,083
February 1952	21,189,421	47-27d.	£4,173,386
March 1952	20,758,051	47-12d.	£4,075,277
January 1953	23,764,000	not yet available	
February 1953	21,635,000		
March 1953	21,131,000		

These figures include prescriptions for appliances ordered by general practitioners and dispensed by chemists and prescriptions given by hospital out-patient departments and dispensed by chemists. No figures are available to show the number of prescriptions dispensed at hospitals to out-patients.

Census of Production

MR. H. G. STRAUSS (Parliamentary Secretary to the Board of Trade) told MR. MARTIN LINDSDAY on May 5 that the President of the Board of Trade had appointed a committee, including representatives of both sides of industry, to advise him about future policy in regard to the taking of census of production and distribution, and to make recommendations. Mr. W. R. Vernon Smith had agreed to be chairman.

Pharmacy Bill

The Pharmacy Bill was read a second time in the House of Lords on May 5. Moving the second reading, LORD AMULREE made favourable mention of the work of chemists and referred to the "responsibility which they now have with the arrival of more complicated drugs."

LORD HADEN-GUEST, supporting, claimed that the Bill improved the status of chemists.

Health Service Inquiry

MR. SOMERVILLE HASTINGS asked on May 7 what knowledge and experience of the work and management of hospitals was possessed by members of the Committee appointed to inquire into the National Health Service.

MR. IAIN MACLEOD (Minister of Health) replied that the inquiry was to be independent and objective; the members appointed, therefore, had no

direct connection with any part of the Health Service. "The Committee will decide their own procedure but I have no doubt they will wish to take evidence from organisations and individuals with knowledge and experience of the working of the Service."

Asked whether he did not feel that some knowledge of the work of a hospital was necessary to assess the value of what was spent on it, the Minister replied: "Frankly, I disagree. If we once start having representatives of hospitals, in any sense of the term, I should have to have representatives of doctors, consultants, dentists, local authorities, opticians and the rest. I wanted this problem to be examined by a committee of five wise men."

Prescription-pricing

MISS P. HORNSBY-SMITH (Parliamentary Secretary to the Ministry of Health) told LIEUTENANT-COLONEL M. LIPTON on May 7 that the main cause of an increase in the number of staff employed in pricing prescriptions dispensed under the National Health Service from 1,089 to 1,302 during 1952

was the opening of two additional pricing offices to reduce arrears of pricing.

LEGAL REPORT

Appeal Dismissed. — The Court of Appeal on May 12 dismissed an appeal by Parke, Davis & Co. against the dismissal by the Queen's Bench Divisional Court, London, of the company's application for an order prohibiting the Comptroller General of Patents from hearing an application by The British Drug Houses, Ltd., for a compulsory licence entitling them to manufacture chloramphenicol (see *C. & D.*, March 28, p. 308). Mr. D. N. Pritt, Q.C., submitted on behalf of Messrs. Parke, Davis that the Comptroller had no jurisdiction to hear the application for a compulsory licence until three years had elapsed from the date of the patents. They were owned by Parke, Davis & Co., who had carried out elaborate and expensive research. The question depended on the construction of Article (5) of an international convention in 1934. Sir Hartley Shawcross, for Messrs. B.D.H., said that the convention was never intended to restrict the right of the State to use a patent or grant licences for its use. Article (5) dealt only with abuse of monopoly rights by the patentee. Lord Justice Singleton, giving judgment, said that Article (5) provided that an application for a compulsory licence might not be made before the expiration of three years from the date of the patent. Sec-

COMPANY NEWS

VENTIN & ODOE (MEDICINAL PRODUCTS), LTD. — Mr. Leonard Hayward, M.P.S., has been appointed to the board.

BROTHERTON & CO., LTD. — Trading profit for 1952 was £258,238 (against £586,238 in the previous year). Net profit after depreciation was £172,324 (£317,985).

BOOTS PURE DRUG CO., LTD. — Subject to audit the trading results for the year to March 31 are as follows: Group trading profits before charging United Kingdom taxation, £2,941,344 (against £2,610,785 in the previous year); provision for U.K. taxation, less deferred taxation adjustment, £1,587,569 (£1,531,009); profit applicable to parent company, after tax, £1,292,224 (£1,018,605); net profit after all charges including tax, £966,455 (£748,119). A final dividend of 10 per cent., less tax, is proposed making 20 per cent., less tax, for the year.

UNILEVER, LTD., and UNILEVER, N.V. — Final dividends recommended on the ordinary capital in respect of the year 1952 are:—Unilever, Ltd., 8½ per cent., less tax, making 13½ per cent. for the year; Unilever, N.V., 7½ per cent. making 12 per cent. for the year (both unchanged). The combined trading profit on the groups was £38,921,000 (£53,933,000) and the combined consolidated net profit was £21,056,000 (£18,838,000). The trading profits are after charging depreciation, £11,542,000 (£9,753,000) and reserve for replacement of fixed assets, £5,283,000 (£5,115,000). Consolidated net profit is arrived at after charging £22,180,000 (£32,984,000) for tax and bringing to credit transfers from reserves for stocks £1,868,000 (£3 millions was transferred to the reserves in 1951).

tion 45 of the Patents Act, 1949, stated that no order should be made on an application under Sections 37 to 42 of the Act which would be at variance with a convention, Counsel for Parke, Davis & Co. had submitted that an application for a compulsory licence could not be made in this case because three years had not expired since the granting of the patent. "As it had been the recognised practice of Britain not to make any international arrangement about inventions relating to food and medicine, it would be surprising," said his lordship, "if Parliament had, by section 45 of the Act and Article (5) of the convention, put this country in the position of not being able to grant a licence for the manufacture of articles of food or medicine. It would certainly be contrary to the practice followed up to 1949, and I am relieved that, on my view of the construction of Article (5), I have not come to any such conclusion. In my opinion the judgment of the Divisional Court was right." Lord Justice Jenkins said that it was reasonably plain that Article (5) referred simply to measures to prevent abuses of monopoly rights. Lord Justice Morris agreed that the appeal failed. Leave to appeal to the House of Lords was refused to Messrs. Parke, Davis & Co.

DEATHS

BRADNAM.—On April 24, Mr. Philip Bradnam, M.P.S., The Firs, Galleywood End, Chelmsford, Essex. Mr. Bradnam, who qualified in 1914, was for many years manager of the Chelmsford branch of Boots, Ltd.

COLLINS.—In an air crash in India on May 2, Mr. Michael Boyd Collins, M.P.S., aged thirty-four. Mr. Collins served his apprenticeship with Boots, Ltd., at the company's Old Christchurch Road, Bournemouth, branch. After service in the Royal Air Force during the 1939-45 war, he qualified in 1948 and rejoined the company for relief duties in the Bournemouth territory. In 1949 he transferred to the wholesale company and, after a short period of training, he joined Boots Pure Drug Co. (Far East), Ltd., Singapore, as assistant to the general manager. He was honorary treasurer to the Malayan Pharmaceutical Association and secretary to the Royal Air Force Association, Malayan Branch. Mr. Collins was travelling home on his first leave from Singapore. He is survived by Mrs. Collins, who had travelled on ahead by sea, and was awaiting his arrival. There are no children.

COOK.—On April 30, after a short illness, Mr. Frederick Joseph Jack Cook, M.P.S., 226 Bilford Road, Worcester, aged forty-eight. Mr. Cook represented May & Baker (Pharmaceutical Specialities), Ltd., in the West Midlands. He was Commandant of the Red Cross Detachment, Worcester 501.

HAMILTON.—At Edinburgh on May 3, Mr. William Hamilton, M.P.S., 1 Boswell Gardens, Wardie, Edinburgh, 5. Mr. Hamilton was pharmacy superintendent of the St. Cuthbert's Co-operative Association, Ltd., 92 Fountain Bridge, Edinburgh. He qualified in 1913. For several years he had been a member of the national executive of the managing chemists' section of the National Co-operative Managers' Association, Ltd. He was keenly interested in choral music and in angling. During the 1914-18 war he served, after qualifying in 1913, with the Cameronians, and then latterly with the R.A.M.C. in East Africa. He is survived by his widow and two daughters. His cremation on May 6 was attended by representatives of the organisations that he served and the North British Executive of the Pharmaceutical Society.

Mr. D. Turnbull (secretary, managing chemists' section, National Co-operative Managers' Association, Ltd.) writes: Mr. Hamilton bore gracefully his sixty-two years, and his ready smile and genial personality will be greatly missed by those privileged to know him.

JONES.—On April 23, suddenly, Mr. Rowland Jones, M.P.S., F.S.M.C., F.B.O.A., Crug, Old Tram Road, Penygroes, Carnarvons, aged fifty-five. Mr. Jones was a director of Humphrey Jones & Sons, Ltd., Carnarvon and Penygroes.

MITCHELL.—In an air crash in India on May 2, Mr. Fred Mitchell, M.P.S., Mr. Mitchell was the home director of the China Inland Mission,

Newington Green, London, N.16, and had recently attended a conference in Singapore in connection with that work. In England he retained an interest in a pharmacy that he had had built at 55 Darley Street, Bradford, under the name F. Mitchell (Chemist), Ltd. He qualified in 1919. At a memorial service held at Sunbridge Road Methodist Mission Hall, Bradford, on May 10, Mr. Eric Robinson, M.P.S. (a director and pharmacy superintendent of F. Mitchell (Chemist), Ltd.), paid tribute to Mr. Mitchell, the founder of the business.

THOMSON.—On April 24, Mr. Charles Thomson, Lossiebank, Banchory, Kincardines, and formerly of New Deer, Aberdeens, aged seventy-seven. Mr. Thomson qualified as a chemist and druggist in 1906.

PERSONALITIES

AMONG pharmacists who successfully contested local elections recently are Messrs. F. C. Bessell (Weston-super-Mare town council), L. R. Ford, M.P.S., and J. W. Giles, M.P.S. (Lincoln city council), G. G. Hammond (Reading town council), E. A. Hebron (Bebington, Ches. town council), J. O. Johnstone, M.P.S. (Wallingford town council), R. H. Sheldrake, M.P.S. (Newark town council), and T. Smith, M.P.S. (Long Eaton town council).

MR. GERALD C. MANN, who has retired from Howards of Ilford, Ltd. (C. & D., May 2, p. 438), had been commercial manager and a member of the company's board since 1946. Educated at Dulwich and Exeter College, Oxford, he had had experience in India before joining Messrs. Howards in 1925.

MR. ALEC S. W. JOHNSON, M.P.S., Cardiff, recently retired from the Bench of the Cardiff magistrates' court after service since July 1932. On his last appearance in Court tributes were paid to him by Messrs. J. Hardwicke (a member of the legal profession), D. Owen (of the City prosecuting staff), W. F. Thomas (assistant chief constable for Cardiff) and V. Rees (clerk to the Cardiff magistrates). For many years Mr. Johnson had been chairman of the Cardiff rota of magistrates and since 1942, a visiting justice to H.M. Prison for South Wales and Monmouthshire. He has been, for twenty-three years, a member of the Board of Governors of Cardiff Royal Infirmary and has, more recently, been appointed to the Board of Governors of Cardiff United Teaching Hospitals. Mr. Johnson was responsible for acquiring a convalescent home on the outskirts of the City for the Royal Infirmary. He is chairman of the Commissioners of Income Tax for the City.



MR. A. E. HARTLEY, M.P.S., Witton Lodge, Redley, Burnley, Lancs, left £35,742 (£34,382 net).

BUSINESS CHANGES

PAINES & BYRNE, LTD., Pabyrn Laboratories, Bilton Road, Greenford, Middlesex, have appointed Mr. Donald Seaman their representative in Yorkshire.

J. FARRER-BARNES, LTD., are transferring their head Office and warehouse to 682 Aigburth Road, Cressington, Liverpool, 19 (telephone: Garston 102) on May 18.

THE beauty and make-up studios of L. Lechner (London), Ltd., have removed to 44A Cranbourn Street, London, W.C.2 (telephone: Gerrard 1086). See also p. 490.

MR. A. D. VENTIN, M.P.S., 154A Seven Sisters Road, London, N.7, is no longer associated with Ventin & Odone (Medicinal Products), Ltd., Verodo Buildings, Hampden Road, London, N.10.

FEEDRITE, LTD., have appointed Smith and Hill (Chemists), Ltd., Sidney Street, Sheffield, 1, their sole distributors of Feedrite products for Lincolnshire, Nottinghamshire, Derbyshire and Yorkshire.

WILLS

MR. D. F. REES, M.P.S., 281 Brixton Road, London, S.W.9, left £3,533 (£3,448 net).

MR. W. C. BENNETT, M.P.S., 37 Fore Street, Totnes, Devon, left £7,579 (£7,211 net).

MR. E. CRAWFORD, M.P.S., 19 Grange Terrace, Leeds, left £6,188 (£6,152 net).

MRS. C. E. BOYES, Ph.C., 63 Atkins Road, London, S.W.12, left £1,869 (£1,821 net).

MR. H. STOCKDALE, M.P.S., 12 Carlaw Road, Birkenhead, left £2,787 (£2,719 net).

MR. J. A. WHITE, M.P.S., 7 Redburn Drive, Shipley, Yorks, left £14,367 (£14,129 net).

MR. W. H. HEWERDINE, M.P.S., 47 Bowling Green Road, Stourbridge, left £2,487 (£954 net).

MR. H. A. BIRD, M.P.S., Burnhank, Seaton, Seaham, co. Durham, left £9,242 (£9,182 net).

MR. G. H. PRATT, M.P.S., 451 Blackmoorfoot Road, Crosland Moor, Huddersfield, left £6,382 (£6,318 net).

MR. J. P. HAWLEY, M.P.S., 165 Earlharn Grove, Weston-super-Mare, left £3,007 (£1,950 net).

MR. G. CHECKLEY, M.P.S., Gaydonhurst, Brand Road, Hampden Park, Eastbourne, left £32,818 (£27,293 net).

MR. A. E. HARTLEY, M.P.S., Witton Lodge, Redley, Burnley, Lancs, left £35,742 (£34,382 net).

ALDERMAN T. J. ROBERTS, M.P.S., 2 Well Street, Ruthin, Denbighs, left £30,803 (£27,840 net).

MR. R. M. G. DOBSON, M.P.S., 14 Daimler Street, Cheetham, Manchester, left £5,481 (£3,181 net).

MR. R. H. EVANS, M.P.S., Greenlands, Broadway, Llandrindod Wells, Radnors, left £8,062 (£7,819 net).

MR. W. E. SCHOLEFIELD, M.P.S., Squirrells, Collington Lane, Bexhill-on-Sea, Sussex, left £10,860 (£10,699 net).

MR. A. F. PORTER, 47 Broad Walk, Winchmore Hill, London, N.21 (formerly managing director, S. Maw, Son & Sons, Ltd.) left £10,996 (£10,814 net).

MR. R. SYKES, M.P.S., 390 Bradley Road, Bradley, Huddersfield, left £15,703 (£15,347 net). He left £100 to the Pharmaceutical Society's Benevolent Fund.

MR. F. D. FAWCETT, M.P.S., 52 Princes Boulevard, Bebington, Cheshire, and 55 New Chester Road, New Ferry, Birkenhead, left £17,439 (£16,381 net).

TRADE NOTES

Dispensing Pack. — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the introduction on May 18 of a dispensing pack of 250 Cytacón-50 tablets.

Available at Once. — Whiffen & Sons, Ltd., North West House, Marylebone Road, London, N.W.1, offer immediate deliveries of potassium, ammonium and sodium iodides, iodine resublimed and iodoform.

New Non-medicated Pastilles. — Robert Gibson & Sons, Ltd., Manchester and London, announce that non-medicated glycerin and black-currant pastilles containing pure black-currant fruit juice are now available.

Distribution Change. — Under a Beecham Group reorganisation, the selling and administration of J. C. Eno, Ltd., Watford, is being undertaken by Macleans, Ltd., Great West Road, Brentford, Middlesex.

Safety Container. — Medicinal tablets and pills intended for adults can be prevented from causing accidental fatalities to children by being kept in the new Kidipruf container introduced



by Clinical Products, Ltd., 2 The Green, Richmond. The container is easily opened by an adult but children are unable to apply the necessary thumb pressure to release the captive cap. The Kidipruf is intended for sale to customers, and is issued in display outers of one doz. containers.

Sulphathiazole with Penicillin. — Biorex Laboratories, Ltd., 47 Exmouth Street, London, E.C.1, are now able to supply sterile powder of sulphathiazole with penicillin, 5,000 international units, B.P., per gm. in a container holding 5 gm.

Dispensing Labels. — Suttley & Silverlock (branch of Kelly's Directories, Ltd.), Andover, Hants, have produced a folder showing dispensing labels and various other items of stationery offered by the company to retail chemists.

Improved Trade Terms. — Until further notice additional discounts are being allowed on direct orders for F99 concentrate of linoleic and linolenic acids by International Laboratories, Ltd., 18 Old Town, London, S.W.4. They range from 5 per cent. on £3 to 10 per cent. on £10 orders.



Coronation Souvenirs. — No less than five designs by the Metal Box Co., Ltd., The Langham, Portland Place, London, W.1., have been selected by the Coronation Souvenirs Committee of the Council of Industrial Design as official Coronation souvenirs. Four appear on tins and the other on a tray. The selected designs are illustrated.

Make-up Studio. — A new beauty and make-up studio was recently opened by L. Lechner (London), Ltd., at 44a Cranbourne Street, London W.C.2. It includes a day and evening make-up room with nine glass-topped tables lining one wall and on the opposite wall three screened tables. Different types of controlled lighting enable make-up to be selected to suit the lighting for use at the particular social event. In a separate stage make-up department a small stage, complete with lighting as in a full-size theatre, is available for the use of actors and actresses. No goods are sold at the studio, though a small charge is made for a complete make-up. Chemists may send their customers to the studio

for free advice, with one make-up and skin care, and the customers they send will be referred back to the chemist with the studio's recommendations. A telephone appointment should usually be made.

Manufacture under Licence. — Fletcher, Fletcher & Co., Ltd., Vibrona Laboratories, London, N.7, announce that they are now manufacturing Flexaphyll chlorophyll cream under licence under British patents numbers 486,847 and 625,727.

Shortly Available in England. — Trade inquiries about Dr. Victor Bogomol'tz's Externe preparations for the treatment and rejuvenation of the skin, already successfully marketed in France, are invited by the Externe Co., Ltd., 20 Sloane Street, London, S.W.1.

Tables of Constructional Materials. — The Deutsche Gesellschaft für chemisches Apparatewesen, Frankfurt-am-Main, Germany, invites interested persons to send material for inclusion in a new edition of the Dechema tables of constructional materials.



Now Sold Separately.—Coates & Cooper, Ltd., Pyramid Works, West Drayton, Middlesex, announce that the applicator for their contraceptive preparation Antemin is now marketed as a separate unit and the Antemin cream is now supplied in one packing only: a tube.

Display Cabinet.—Offered free with "quite a moderate" order for Halex tooth-brushes and combs, a new two-tier display cabinet presents Halex Rondated tooth-brushes at eye level, and catches the tooth-brush customer's eye with a display of Halex hand-finished combs. The makers are Halex, Ltd., Highams Park, London, E.4.

Rare Sugars.—Moorgate Produce & Chemicals, Ltd., 17 Basinghall Street, London, E.C.2, United Kingdom agents for Carbon G.m.b.H., Lubeck-Schlutup, Germany, state that Messrs. Carbon are now producing the following rare sugar species: *d* (†) Xylose; *l*-arabinose; *d*-galactose; *d*-mannose; adenosin; guanosin; *d*-ribose; inosin and xanthosin.

Display Material.—One of the two items of show material for Flit (Stemco, Ltd., London, N.W.1) illustrated in these columns last week was incorrectly identified. The large centrepiece was



in fact shown at the left of the showcard for Flit aerosol. The counter stand is as here shown. The material is obtainable direct or through wholesalers. The bonus scheme is closed.

Holiday Closings.—Whit Monday and Coronation Day (Tuesday, June 2) being both Bank Holidays, manufacturers generally will be closed for business. The following exceptional arrangements have been notified:—

BIOREX LABORATORIES, LTD., 47 Exmouth Street, E.C.1: Orders are being accepted between 9 a.m. and 6 p.m. on May 23, and between 10.30 a.m. and 12.30 p.m. on May 24 and 25, for emergency van delivery.

J. H. HAYWOOD, LTD., 11 Warser Gate, Nottingham: Closed also on Monday, June 1, except for an emergency service up to 1 p.m.

THOMAS KERFOOT & CO., LTD., Ashton-under-Lyne: Works and offices at Bardsley Vale closed from Thursday evening, May 28, until Wednesday morning, June 3, but staff in attendance on May 30 and June 1 to deal with urgent requirements.

The following annual holiday closing arrangements are notified:—

GALE & MOUNT, LTD., 37 Rothschild Road, London, W.4: Closed from July 24 to August 10.

G. H. ZEAL, LTD., Lombard Road, London, S.W.19: Closed from July 25 to August 10 (small staff retained to deal with urgent matters only).

NEW PRODUCTS AND PACKS

Redesigned Packs.—Pure Products Soap Co., Ltd., Colwick, Nottingham, have introduced new packs for Derbac preparations, which are supplied through chemists only.

Animal Foodstuff Supplements.—The Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 19, announce the availability of Distafed riboflavin, vitamin B₁₂, and antibiotic supplements, intended for addition to animal feedstuffs.

An Anticoagulant and an Antipruritic.—Abbott Laboratories, Ltd., 3 Wadsworth Road, Perivale, Middlesex, have introduced a new synthetic anticoagulant, Cumopyran (3, 4-(2'-methyl-2-methoxy-4'-phenyl) dihydroxyranocoumarin in 25-mgm. grooved tablets in bottles of 100; and an antihistaminic of low toxicity, Di-Paralene calamine cream, containing 2 per cent. Di-Paralene (chlorcyclizine hydrochloride, Abbott), 23 per cent. prepared calamine and 9 per cent. phenol in a water-soluble base. The cream brings about relief of itching due to dermatitis, urticaria, insect bites and mild sunburn. It is supplied in 1-oz. tubes. Messrs. Abbott have also introduced a new strength of Desoxyn (methamphetamine hydrochloride, Abbott): a 5-mgm. bisected tablet in bottles of 100 and 500.

New Medicinal Specialities.—Eli Lilly & Co., Ltd., Basingstoke, Hants, are marketing a new product, Liquacillin, which is intended as a means of administering penicillin by mouth to infants and young children. When dispensed as directed, each fluid drachm contains 100,000 units potassium penicillin G. The contents of the package before dispensing are stable at room temperature. Liquacillin is supplied only in original packages containing, when dispensed, 2 fl. oz. — Messrs. Lilly have also introduced Surfathesin jelly and compound cream. The jelly contains 0.75 per cent. Surfathesin brand cyclomethycaine in a water-soluble jelly base. Its purpose is to provide local anaesthetic action on diseased or damaged skin, and on rectal, bladder, vaginal and urethral mucous membranes. It is supplied in 1-oz. tubes with special urethral tip nozzle. The compound cream contains 0.5 per cent. Surfathesin, 10 per cent. zinc oxide, and 1:5,000 Merthiolate in a modified vanishing-cream base. Its purpose is to provide local anaesthetic

effect and to allay irritation in such conditions as measles, chicken-pox, severe sunburn, etc. The degree of relief obtained is related to the extent of epithelial damage. The cream is supplied in 1-oz. tubes.

Combined Antibiotic Preparations.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the introduction on May 18 of two new combined antibiotic preparations: Crystamycin and Dimycin. Crystamycin contains crystalline penicillin G with a mixture of streptomycin and dihydrostreptomycin sulphates. The component antibiotics have complementary ranges of antibacterial activity, penicillin being effective against gram-positive and streptomycin and dihydrostreptomycin against gram-negative organisms. Crystamycin can be used for treating infections due to organisms relatively resistant to the antibiotics used singly. Its use is indicated where the identity and degree of sensitivity of the infecting strains have not been determined, and a mixed infection or the presence of a resistant strain is suspected (as possibly in infections of the urinary tract, in peritonitis and in infected wounds). The pack is a box of ten single-dose vials. Dimycin is a dry mixture of streptomycin sulphate and dihydrostreptomycin sulphate in equal parts by potency. The combination is designed to reduce any neurotoxic effects that might develop from using either substance singly. Dimycin is indicated in the treatment of some forms of tuberculosis, mainly in cases in which the disease is progressive, of relatively short duration, and of the exudative type; also in certain non-tubercular infections not amenable to penicillin. The pack is a box of ten 1-gm. vials; 5-gm. vials are also available.

A New Hartnell Perfume.—Mr. Norman Hartnell, the famous fashion designer, has launched a new Hartnell perfume: Fanfare. Manufactured by J. Grossmith & Son, Ltd., 45 Piccadilly, London, W.1, the perfume is "regally" presented in a dominating colour scheme of blue and gold. Display material has been designed to reflect the spirit of Coronation year. The perfume is more sophisticated than Hartnell's first perfume "In Love," and has been described as "imaginative and uninhibited." A large number of distributors have already placed orders for the perfume.



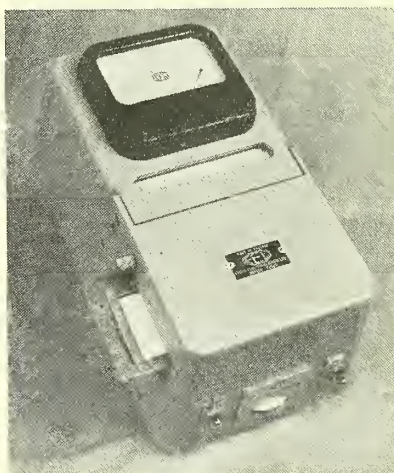
IMPROVED AND NEW INSTRUMENTS

Items shown at Physical Society's 37th Exhibition

THE thirty-seventh annual exhibition of the Physical Society was held at the Imperial College of Science and Technology, London, from April 13 to 17. For the convenience of visitors a return was made to the former practice of locating the whole of the exhibition in the main buildings of the college. There was little that was really new at the exhibition, but many exhibits had been the subject of improvement and modification since the exhibition of a year ago.

Of pharmaceutical application was a heated spatula as used by the National Gallery in the treatment of paintings. A set of three spatulas of different sizes has been produced. Each

London, S.W.1, is intended for blending small quantities of liquid or macerating solid matter in liquid. It has a capacity of from 10 to 100 mls and its speed can be varied between 4,000 and 14,000 revolutions per minute.



Eel photoelectric paper densitometer (Evans Electroelenium)

Eel electrophoresis apparatus is believed to be the first commercial equipment for the quantitative measurement of protein fractions employing the technique of paper electrophoresis. The apparatus comprises an electrophoresis bath, a D.C. power unit and a photoelectric paper densitometer. The power unit supplies a steady potential to the electrophoresis bath in which electrophoretic separation of protein in a sample applied to a strip of filter paper is effected. The filter paper from the bath is placed in a holder between two pieces of glass and is moved over a slit 1 mm. wide in controlled steps of 1 mm. Below the slit is a light source and above the sample is a photoelectric cell. A 4-in. microammeter measures the current generated by the photocell and is calibrated to read in units of density to give the relative concentrations of pigment present in the paper. The result may be plotted; when the area beneath the curve gives a measure of the concentration of proteins present in the sample. The manufacturers, who are anxious to receive suggestions for modification of the apparatus, are EVANS ELECTROSELENIUM, LTD., Harlow, Essex.

A new type of electric hot plate—the Isoplate—was demonstrated by ISOPAD, LTD., 30 Rosemont Road, London, N.W.3. A high-temperature insulated heating element is attached to a glass cloth panel. Glass wool lagging backs the heating element and ensures that the heat, which can be regulated, is radiated upward. There are two types.

The use of interchangeable ground glass joints was demonstrated in an apparatus for the determination of alcohol in blood and urine at the exhibit of QUICKFIT & QUARTZ, LTD., Quickfit Works, Stone, Staffs.

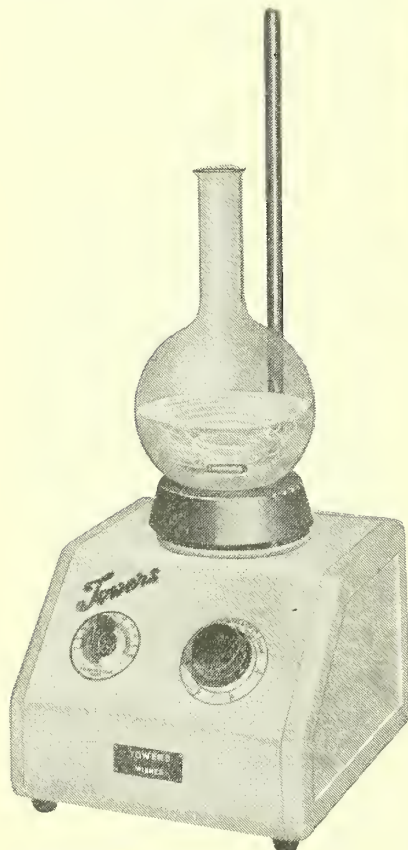
Xerography—a method applying electrostatics to the rapid reproduction of a photographic image without wet chemical processing for image development and fixation was demonstrated by FERRANTI, LTD., Hollinwood, Lancs.

Among exhibits by DAWE INSTRUMENTS, LTD., 130 Uxbridge Road, Hanwell, London, W.7, was a portable clinical camera type 1715. The special feature of the design is the use of an applicator that establishes the exact size of the exposed field.

The automatic titrimeter shown by ELECTRONIC INSTRUMENTS, LTD., 17 Paradise Road, Richmond, Surrey, at the exhibition has, as was forecast, been modified to a two-stage system for speed. An improved version of the direct reading pH meter and a production version of the counter pH meter shown at the 1952 exhibition were shown by W. G. PYE & Co., LTD., Granta Works, Cambridge. A universal pH meter accurate to 0.01 pH unit was shown by THE DORAN INSTRUMENT CO., LTD.

A new infra-red spectrometer mounted on a trolley and designed for industrial routine and process control functions or research was exhibited by UNICAM INSTRUMENTS (CAMBRIDGE), LTD., Arbury Works, Cambridge.

STANTON INSTRUMENTS, LTD., 119 Oxford Street, W.1, demonstrated their thermobalance claimed to be the first recording balance made in Britain. It simultaneously records weight and

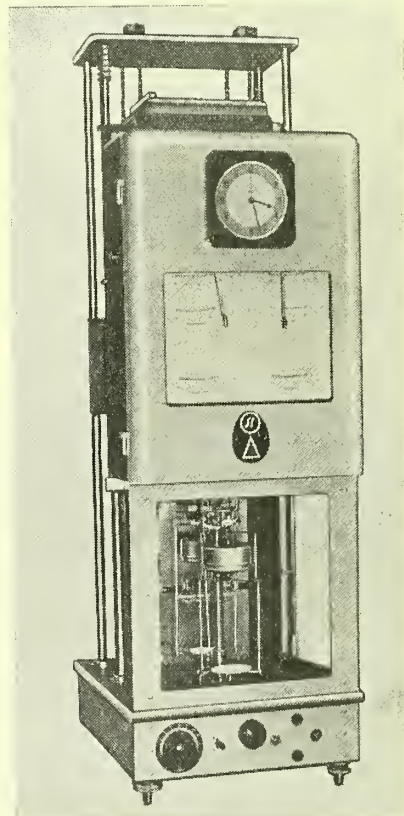


Magnetic stirrer (Towers)

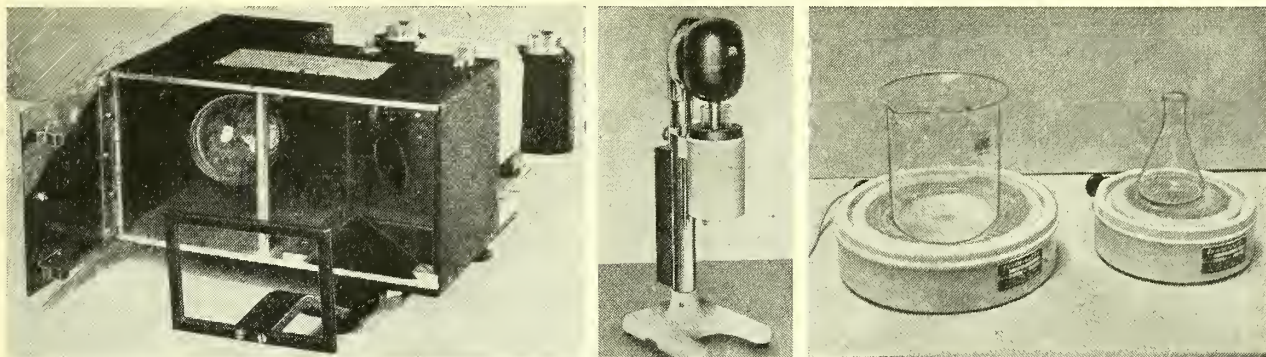
contains a heater and a platinum resistance winding, and when plugged into the control box can be held with the sole plate at any selected temperature between 40° and 90° Centigrade. Although the spatulas shown were more akin to an electric iron in design than to a flexible spatula as used in dispensing, it is possible that the design could be modified to suit pharmaceutical work. The makers are NASH & THOMPSON, LTD., Oakcroft Road, Tolworth, Surrey.

The following is a brief review of some of the other exhibits:—

The M.S.E. Nelco 10 homogeniser shown by MEASURING & SCIENTIFIC EQUIPMENT, LTD., Spenser Street,



Thermobalance (Stanton)



Left to right; Clinical camera (Dawe); Nেলco 10 homogeniser (Measuring & Scientific Equipment); and Isoplate electric hot plates (Isopad)

temperature changes, giving a continuous visible record of weight and time or weight, temperature and time. The object to be tested may be placed on either the lower pan or on a silica platform located in the furnace. Furnace temperature and change of weight are followed simultaneously on a twin pen electronic recorder fitted above the balance and in front of the furnace.

Automatic biological assay apparatus developed at University College Pharmacological Department was demonstrated by CASELLA (ELECTRONICS), LTD., 46 Osnaburgh Street, London, N.W.1. The apparatus allows an iso-

lated organ from an animal to be bathed with several different solutions successively and washed between each bath. One of the solutions can be standard so that unknown quantities of the same drug may be estimated.

A spore trap developed by J. M. Hirst of the Rothamsted Experimental Station, Harpenden, was shown by C. F. CASELLA & CO., LTD., Regent House, Fitzroy Square, London, W.1. An orifice 14 mm. x 2 mm. is kept facing into the wind by a vane while the air is drawn through by a pump. About $\frac{1}{2}$ mm. behind the orifice a 3 x 1 in. microscope slide coated with petroleum jelly or some similar substance

is moved continuously by a clock at the rate of 2 mm. per hour.

Combined magnetic stirrers and hot plates were shown by BAIRD & TATLOCK (LONDON), LTD., 14 St. Cross Street, London, E.C.1., and by J. W. TOWERS & CO., LTD., Widnes, Lancs.

The prototype of a new Lovibond tintometer was shown by THE TINTOMETER, LTD., The Colour Laboratory, Salisbury.

The 2537 A.U. meter for the measurement of ultra-violet radiation was shown by HANOVIA, LTD., Slough, Bucks. The instrument is calibrated to give a direct reading in microwatts per sq. cm.

ALKALOID FORMATION

University of London Lectures

A COURSE of two lectures on "The Formation of Alkaloids in Plants" was given in London on May 6 and 7 under the auspices of the University of London by Dr. W. O. James (reader in botany, University of Oxford). Dr. J. W. Fairbairn was in the chair.

Discussing, first, the distribution of alkaloids in plant tissues, DR. JAMES said that the first research in that regard was done at Brussels from 1886 to 1906. Little advance in knowledge had been gained since. The Brussels workers attempted to find a general rule covering the distribution of alkaloids in plants. For that work a reagent that would react with any alkaloid and which would penetrate plant tissues was needed. Finally the workers decided on Bouchardat's reagent (iodine, 1 per cent. in potassium iodide solution). They examined a wide range of plants. After some years four main areas of distribution of alkaloids were discovered:—1. Metabolically active parts of plants (e.g., regenerating tissue developed after wounding); 2. Peripheral tissues; 3. Vascular bundle sheaths; 4. Latex tissues (not in all plants).

Alkaloids are found in the cell walls of crude drugs, and Dr. James believed that they became deposited there after the collection and drying of the drugs. The general rule is that alkaloids are limited to living cells and collected in the cell vacuole. A French worker recently showed that in seeds alkaloids were formed during vacuolation early in the life of the cell and developed quickly up to a maximum. In some tissues that maximum is maintained

(e.g., cinchona bark) while in others the concentration of alkaloids becomes progressively less (e.g., belladonna leaf). The seeds of alkaloid-bearing plants may contain varying amounts of alkaloid. In *Nux vomica* seeds the alkaloids disappear soon after germination, then begin to increase after the seedling stage has been passed.

Cross Grafting

Plants of the Solanaceae are useful for study because they can be grafted one upon others. There are three classes with regard to alkaloid formation:—1. Solanine producing plants (potato, tomato); 2. Tropane producers (belladonna, stramonium); 3. Nicotine producers. A member of one group can be grafted upon a member of another group. In general the alkaloid proper to the stock is found in both stock and scion and conversely alkaloid proper to the scion is not found. When grafts are made of a member of a group on another member of the same group the same rule holds (if the two plants produce the same alkaloid in different concentrations the concentration proper to the stock will be found). Therefore the conclusion is that alkaloids are predominantly formed in the root of a plant and are moved up into the shoot. If a root stump is cut a sap containing alkaloids is exuded and it can be shown that this comes from the phloem.

It had been found that very little of the alkaloids which find their way to the leaves goes to the fruits. The lecturer described experiments in which a graft of an alkaloid-producing

plant was made on the root of one that did not produce alkaloids, after which the stem of the scion was slit and soil packed round the cut. Adventitious roots were formed in that area and it had been possible to demonstrate the presence of alkaloids not only in the scion but also in the root-stock. That showed that alkaloids could be conducted downwards. There are some exceptions to the rule that alkaloids are formed only in the root. For example, it has been claimed that quinine is formed in cinchona leaves after their removal from the plant. That showed that alkaloids might become modified after they had passed from the roots. In the laboratory it is possible to synthesise hordenine (an alkaloid found in the barley plant) from tyrosine via tyramine and N-methyl tyramine. Did that process take place in the plant? At the time when the concentration of hordenine was greatest traces of the other substances mentioned above could be demonstrated as occurring in the plant by means of paper chromatography and other methods. One worker had "fed" a barley plant with tyramine containing a "labelled" carbon atom in the molecule. It was possible subsequently to extract hordenine with labelled carbon from the plant. It is not known yet how the plant produces tyramine.

Theories of the significance that alkaloids have for the plants themselves are that the alkaloids are nitrogen reserves and that they protect the plants from damage. There is little evidence to support either theory. The lectures were illustrated.

SOCIETY'S SCOTTISH DEPARTMENT

Meeting of Executive

A MEETING of the Executive of the Scottish Department of the Pharmaceutical Society was held in Edinburgh on April 15, Mr. H. T. Thomas in the chair.

Mr. M. S. Maconochie, Dundee, who had been co-opted to fill the vacancy created by the death of Mr. G. M. C. Stewart, was welcomed. Estimates for beflagging the Society's House at 36 York Place in connection with the Coronation celebrations were approved. Copies of the lecture on "Pharmacy and Medicine in Old Edinburgh," which had been given by Mr. C. G. Drummond at the January evening meeting (C. & D., January 31, p. 112) were being printed as a pamphlet, it was announced.

THE CHAIRMAN reported on the success of the dinner-dance of the Pharmaceutical Society of Northern Ireland at which he had represented the Executive. He had been asked to convey to the Executive greetings and good wishes of those who had attended that function.

It was intimated that the following members were due to retire this year but were eligible for re-election to the Executive: Messrs. R. S. Graham; F. Hepburn; S. Hughan; J. C. Lamb; John Skinner; and H. T. Thomas.

It was decided that the Executive should not forward to the Council any resolution based on decisions or resolutions taken by the Scottish branches on the subject of assistants in pharmacy.

The Executive agreed to forward to the Society's Council their observations on the statement "Pharmacy Assistants—A Scheme for their Training, Examination and Supervision" issued by the Council.

MR. W. S. CULBERT asked that it be recorded that he was still of the opinion that the Council of the Society should take no part in drawing up a curriculum, setting the examination or issuing certificates to assistants.

Observations were made on the second draft revised Statement on Matters of Professional Conduct.

Arrangements for the 102nd Session of evening scientific meetings were in hand; Professor David Whitteridge, Edinburgh University, had agreed to give the inaugural address on "The Action of Drugs on Nerve Endings." An address by Professor H. Dryerre had been arranged for the February 1954 meeting.

DR. MCCALL reported that the draft brochure on "How to Become a Pharmacist" had been approved by the Council. 3,000 copies had been printed. Copies had been sent to the headmasters of all the senior secondary schools in Scotland and would also be sent to branch secretaries in Scotland and to the schools of pharmacy. It was agreed also to send copies to the directors of education in Scotland.

It was agreed that the chairman and resident secretary should attend the annual meeting in London on May 13, and the Branch Representatives' meeting in London on May 14.

The annual statement of accounts which had been circulated, was approved.

The meeting of scrutineers, it was agreed, would take place on May 26.

New Laboratories

THE RESIDENT SECRETARY made a report on the estimated total expenditure in connection with the new laboratories at 38 York Place.

The following programme had been arranged for the opening of the new laboratories and other events in Edinburgh on May 27:—

- (a) a.m. Executive meeting.
- (b) 12.30 p.m. Lunch at North British Hotel.
- (c) 2.30 p.m. Official opening of laboratories by Professor D. Dunlop.
- (d) 3.30 p.m. Annual meeting and Branch Representatives' meeting.

Branches had been asked to suggest a suitable topic for discussion at the Branch Representatives' meeting, but so far no replies had been received. Branches had also been notified of their entitlement of representatives to the meeting.

The number of student associates registered in Scotland during 1952 was

112. Since the beginning of 1953, fourteen student associates had been registered in Scotland. It was agreed that a report on student associates should, in future, be made to the Executive in place of the previous report on apprentices, as a more accurate figure was obtainable from the former.

Mr. H. T. Thomas had been nominated to fill a vacancy on the Scottish Health Services Council.

It was reported that the chairman and resident secretary would attend the formal opening of a health centre at Sighthill by the Secretary of State for Scotland on May 15.

On submitting an application for exemption from jury service, an Edinburgh chemist had been advised by the Principal Clerk of Session that it was time that the Pharmaceutical Society got the provisions of the Juries Act, 1862, applied to Scotland. On discussing the matter again with Mr. F. W. Adams (a secretary of the Pharmaceutical Society) it had been agreed not to pursue it further at present.

On behalf of the Executive, a letter of congratulation had been sent to Mr. W. J. Tristram on his nomination as lord mayor of Liverpool.

PHOTOGRAPHIC DEALERS' ASSOCIATION

Annual Meeting and Report

THE annual meeting of the Photographic Dealers' Association was held in London on May 6.

In presenting the report of the national council on the year's work, THE PRESIDENT (Mr. Allen Aldington, M.P.S.) said that the Association was going from strength to strength.

During the year there had been seven council and forty-eight standing committee meetings. A feature of the year had been the meetings with members of Government departments, and with representatives of manufacturers, and he would be lacking in his duty if he did not refer to the considerable welcome which they had always received.

Officials of the national council had held conferences with senior executives of Customs and Excise to evolve a method whereby photographic dealers could trade safely in continental cameras. A booklet "Uncustomed Cameras—How to comply with the Customs Regulations" had been printed and made available to all members.

Members had been somewhat disturbed that some manufacturers had reduced their prices without giving adequate notice or reasonable credit. To avoid hardship to the dealer the Association had prepared a plan for the guidance of manufacturers when contemplating price reductions. Briefly it was that full credit should be given for stocks held, and that prices should be reduced without a time lag.

It was obvious that not all makers were prepared to act in that way, and that furrow was still being ploughed.

Manufacturers had also been approached individually to take back

dealers' stocks of out-dated roll film.

One manufacturer had replaced a large quantity of film that was nearing expiry date and another was willing to give some credit, but generally manufacturers were not prepared to take back or redate out-dated or short-dated film.

In an effort to reach agreement the P.D.A. had urged that the pre-war practice of granting credit on out-dated film should be reintroduced, but certain manufacturers vigorously opposed the suggestion, and advice had accordingly been issued to members to purchase future stocks with caution.

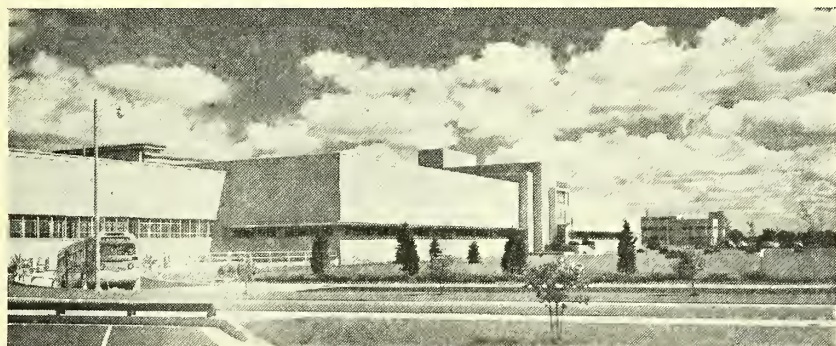
At a joint meeting at which the recommended national scale of prices for D. and P. had been agreed the Association had made strong recommendations for a reduction in the price of contact prints, the price of which was having a serious effect on sales. The Wholesale Photo Finishers' Association had promised to examine techniques with a view to cutting costs and thus making lower prices possible. Eventually it had been agreed that there should be no change in the scale for 1953.

Probably the outstanding piece of propaganda undertaken during the year had been "Operation Flash," organised by a joint trade committee comprising eight apparatus manufacturers, three lamp manufacturers, the W.P.F.A. and the P.D.A.

Since the inception of the examinations 245 candidates had passed the intermediate and forty-six gained the advanced diploma. 123 new members had been admitted during 1952.

AN AMERICAN NEWCOMER TO BRITAIN

Upjohn Co. of America Establishes a Branch in London



With the establishment in London recently of Upjohn of England, Ltd., the Upjohn Company of America, which has been producing fine pharmaceuticals since 1886, reaches another important stage in its phenomenal expansion.

The company's pharmaceutical plant (illustrated above) which is situated on a 1,500-acre rural site near Kalamazoo, Michigan, U.S.A., was completed on June 1, 1951. It was the culmination of a building programme claimed to be without precedent in the pharmaceutical industry, and involving more than five years of planning, design and construction. The plant includes under one roof a group of buildings totalling 33 acres in area. Except for antibiotics, which are produced in a multi-story structure rendered necessary to accommodate complex processing equipment and an adrenal-cortex production unit isolated in a small explosion-proof structure to cope with difficult operation conditions, all the company's manufacturing activities and storage are now housed on one floor in a building 870 x 1,125 ft. Production operations are concentrated in a 360-ft.-wide air-conditioned section through the centre of the building. Widely varying operating conditions and the need to maintain precise control in many different departments necessitated the installation of 120 separate air-conditioning systems, ranging from simple cooling units to highly complex combinations incorporating ultra-violet germicidal lamps, chemical dehumidifiers, and electrostatic precipitators. The layout provides for 50 per cent. expansion of the manufacturing building, antibiotics and adrenal-cortex units. At the opening of the new plant the president (Mr. Donald S. Gilmore) said that the company wanted to be in a position to make new drugs available to the public as quickly as possible. The new flexible plant provides the facilities.

Recent Achievements

Raw materials arriving on a railway spur track are processed as they move through the huge central manufacturing area, then stockpiled and shipped out on another spur track from a warehouse area on the far side. Already, since 1951 the yields of penicillin have rapidly increased, and the antibiotics neomycin, actidione, bacitracin and erythromycin have been developed.

The most outstanding achievement of the company's research department has been the synthesis of cortisone from freely available material. The research, technical and manufacturing resources of the American company are behind the London branch.

NORTH LONDON ASSOCIATION MEMORIAL PRESENTATION

At the annual meeting of the North London Pharmaceutical Association held in London on May 6, Mr. J. Hearle (a founder member of the Association) presented on behalf of the Association to the Pharmaceutical Society (represented by Mr. F. G. Wells (a member of the Society's Council)) a memorial to the late Herbert Skinner, in the form of a water-colour of Bloomsbury Square in 1787. Mr. HEARLE recalled how, in 1912, he was associated with Mr. Skinner in calling together the chemists of Islington to consider the Shops Act and how later, at the Northern Polytechnic, the Association was launched. In his earlier days Mr. Skinner was associated with John Humphrey and other progressive chemists in forming the Pharmacy Club. Mr. Skinner was a keen sportsman and it was due to his efforts that the London Chemists' Sports Club and the Script Sports Club were formed and that a sports section was introduced into the British Pharmaceutical Conference. He was also editor of "The Script" (a monthly journal for the London associations). His motto had been "Faith, Hope and Love" and he gave himself freely for causes and individuals needing help. It might be said that pharmacy was the poorer for his passing but it was more accurate to say that pharmacy was the richer for his having lived. The Association, under the chairmanship of Mr. Neville Booth, had in 1945 instituted a memorial fund to provide furnishings for the Codex room in the Society's proposed building in Brunswick Square. Since that had not been possible the present alternative had been agreed upon by all concerned.

Mr. WELLS recalled how he had joined the Council under the presidency of Mr. Skinner and how it had fallen to his lot to announce Mr. Skinner's death during his own presidency. He hoped that the picture would be

suitably hung at the Society's headquarters for the benefit of members. Mr. F. W. ADAMS (a secretary and the registrar of the Society) said the picture was a fine example of late eighteenth-century British water-colour work. It would remind members of the first 100 years of the Society as well as of Mr. Skinner's association with it and when the time came to leave Bloomsbury Square it would provide a valuable and permanent record. A tribute was also paid by Mr. J. C. YOUNG (treasurer of the fund and a past-president of the Society).

ULSTER CHEMISTS' ASSOCIATION

At the May meeting of the Executive Committee of the Ulster Chemists' Association, the president (Mr. C. L. Gordon-Rattie) in the chair, the secretary (Miss A. E. Strachan) reported that a further sum of £25 had been subscribed to the Association's Princess Victoria Fund. It included £10 from the Associates' Section, part of the proceeds of the Section's annual dance. A vote of sympathy was passed with the widow and family of the late Mr. Samuel Gamble, Fivemiletown, co. Tyrone (C. & D., April 25, p. 414).

It was reported that the veterinary subcommittee had met and that the secretary had been instructed to press for replies to the letters sent to the Ministry of Home Affairs regarding the possibility of amending the Penicillin Act, and to the Pharmaceutical Society of Northern Ireland regarding the sale of poisons from vans. It was decided that all final price changes should be issued to members as quickly as possible. Exception was taken to the action of some drug manufacturers in advertising lower prices immediately after the Budget statement as that did not give chemists time to clear their stocks as they were entitled to do. Consideration was given to a letter from a firm of manufacturers asking for the co-operation of the Association in refuting a rumour that they were selling goods through persons other than chemists. The secretary was instructed to write expressing surprise that the firm were not members of the Chemists Federation. The Committee also considered a letter from the Armagh Chemists' Association concerning the refusal of a District Inspector of Police to approve the issue of methylated spirit licences to others than chemists, and decided that the matter should be taken up with the authorities.

Various points in relation to the Shops legislation were considered and the subcommittee was asked to prepare a summary of the Association's views for submission to the Joint Select Committee of the House of Commons and Senate. The secretary was directed to write to the General Health Services Board expressing disappointment with the delay in the payment for the first months' coded prescriptions.

The following new members were elected:—Messrs. R. N. M. Clarke, 87 Ormeau Road, Belfast; W. C. Green, 42A Duke Street, Londonderry; and B. A. McGlade, 567 Ormeau Road, Belfast.

SCOTTISH EXECUTIVE ELECTION

Candidates' Biographical Details and Policy Statements

THE following information and statements of policy have been submitted by ten of the candidates for the election to the Executive of the Scottish Department of the Pharmaceutical Society. It should be mentioned that, under a recommendation of the Executive, some candidates are making no announcement of policy on the grounds that they cannot have a policy that might be in conflict with decisions of the Council of the Society.

DOCHERTY, JOHN HARDIE

A RECENTLY retired proprietor pharmacist who has had nearly forty years' experience of the profession at home and abroad.

POLICY: I have accepted nomination for the Executive of the Scottish Department because having retired from active business I can now devote my spare time to the service of my fellow pharmacists. As a newcomer to this side of pharmacy I have no axe to grind other than to state that I am a very strong advocate of pharmacy for the pharmacist and it will be my endeavour to further the interests of the profession in all its many new aspects.

GOODCHILD, JAMES W.

TWENTY-NINE years in retail pharmacy. Apprenticeship served with the late Mr. John Macintyre, North Berwick. Qualified 1932. Manager at Polmont, Falkirk, 1933-45, thereafter proprietor of J. W. Bennie, Polmont. Took optical qualification, 1940. Local district councillor, and member of committee of Central Scottish Branch of the Society since its inception.

POLICY: I would like to see a better representation on all the Pharmaceutical Committees, etc., and some form of area representation, which works well in other professions; the maximum amount of freedom for the Scottish Department; and less time spent on codes of ethics and more time and space given to more practical things. On the amount of information available on the recognition of assistants, I feel bound to oppose any move that would bring this into force. We have a rest home in England, and we will probably soon have a home for aged pharmacists, also in England. Scottish pharmacy should be able to do as much for Scottish pharmacists.

HENNIGAN, WILLIAM

AFTER studying at the Heriot-Watt College (where he was president of the Pharmacy Association, 1943-44), qualified as a pharmaceutical chemist in 1946. Was one of the founders of the British Pharmaceutical Students' Association in 1943. In 1946-48 served in the R.A.M.C., and after a period as manager in retail became laboratory manager with Raimes, Clark & Co., Ltd., Edinburgh. Is at present a member of committee of the Edinburgh and South-eastern Scottish Branch, Pharmaceutical Society.

POLICY: Having experience of the different branches of pharmaceutical practice, I appreciate the various problems affecting each, and I do not commend myself to the electors on the basis of any sectional interest. I support the maintenance of high standards of education in pharmacy, and, if elected, I shall do all I can to uphold and improve the pharmacist's professional standing.

HEPBURN, F.

QUALIFIED 1931. Proprietor pharmacist. Chairman, Edinburgh and South-eastern Scottish Branch of the Pharmaceutical Society. Vice-chairman, Edinburgh Pharmaceutical Committee; member, Pharmaceutical General Council and Pharmaceutical Standing Committee. Co-opted to Scottish Executive at the beginning of 1953.

HUGHAN, S.

HAS been a member of the Glasgow and South-western Scottish Branch Committee since 1937 and was chairman from 1948-50. Was chairman of the local committee of the British Pharmaceutical Conference in Glasgow in 1950. Has been a member of the Executive of the Scottish Department

six years, and has acted as vice-chairman in the past two years. After study at Royal Technical College, Glasgow, qualified in 1935. Went south as dispenser for a year and was appointed as manager of drug, surgical and photographic departments of large composite shop. Held that post for ten years and resigned to take up medical propaganda. Has kept a close interest in all branches of pharmacy and made himself familiar with problems affecting retail, wholesale and hospital pharmacists.

JERVIE, G. A.

QUALIFIED 1928. Proprietor pharmacist. Vice-chairman of Angus Pharmaceutical Committee; member of committee of Dundee and East Scotland Branch of the Pharmaceutical Society.

POLICY: To work for the good of pharmacy and pharmacists.

LAMB, JAMES CRAWFORD

AGE forty-seven. Qualified 1928. Proprietor pharmacist. Sheriff-substitute and town and county councillor. Ex-Provost Royal Burgh of Linlithgow. Member local Pharmaceutical Services Committee. Served on Board of Governors of Heriot-Watt College.

POLICY: Although I took little active part in pharmaceutical politics prior to my co-option to the Scottish Executive in 1951, I have always been keenly interested in the welfare of my colleagues in pharmacy, from both professional and business aspects. I again offer myself for election in the belief that my wide administrative experience, gained in local government and as a member of many delegations to the Department of Health and other Government bodies, may be of service to my fellow pharmacists in Scotland. I am particularly interested in the safeguarding of our position under the National Health Service and in a reasonable approach to the questions of professional training, examinations and ethics.

MACMASTER, WILLIAM C.

QUALIFIED 1923. Proprietor pharmacist. Secretary, Glasgow and South-western Scottish Branch of the Pharmaceutical Society. Vice-president the Glasgow Pharmacy Club.

POLICY: For many years my business interests have precluded my taking a fully active part in pharmaceutical affairs, although I have always kept abreast of events. Now that my ties are less pressing, I feel that my experience can be used to the advantage of my colleagues. If elected, I shall endeavour to work for the betterment of pharmacy, with particular interest in Scottish affairs.

THOMAS, H. T.

QUALIFIED 1926. Proprietor pharmacist, interested particularly in the professional aspects of pharmacy. War service with the Royal Navy, 1939-46.

POLICY: I am in agreement with the principles contained in the draft "Code of Ethics," but alterations in wording are necessary. Working in a rural area, I am strongly in favour of an entire revision of the existing arrangements with the veterinary profession and manufacturers on the sale of veterinary products by the pharmacist. As a long-term policy, I am convinced that control of the unqualified assistant by the Society, and recognition by the Society of a certificate granted by an educational authority or Joint Board, but *not* by the Society, is the correct one. My personal opinion is that this matter has been very poorly "put over" to our members.

WILLIAMSON, J. M.

AFTER an apprenticeship with Cockburn & Co., Ltd., was an assistant with Boots Ltd., and later a qualified superintendent with a limited company in London. On returning to Scotland over twenty-seven years ago commenced business on own account in Govan. Held the office of secretary to the Local Pharmaceutical Committee for eight years and is now editor of the *Scottish Pharmacist*.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society was held in London on May 5 and 6, the president (Mr. W. J. Tristram) in the chair.

THE PRESIDENT reported with regret the deaths of Mr. John Christie, Johannesburg (*C. & D.*, April 18, p. 391), and in an air disaster in India of two pharmacists, Messrs. M. B. Collins and F. Mitchell (see p. 489).

THE REGISTRAR (Mr. F. W. Adams) reported that, since the previous meeting, thirty-seven persons had registered as apprentices or students, making 195 for the year. The Council approved twenty-five applications from overseas for registration under reciprocity arrangements and the restoration to the register of three names removed more than ten years ago.

Statutory Fees

THE TREASURER (Mr. W. S. Howells) presented his report on the annual accounts for 1952 (see *C. & D.*, May 9, p. 471). There had, he said, been a reduction in the cost of paper, and the new edition of the *Extra Pharmacopæia*, which had brought a considerable income to the Society, had enabled the General Fund to balance and show a surplus. The General Fund was not based on a very satisfactory foundation. There had been a fall in the income from statutory fees. The Society had to prepare and publish scientific publications on a large scale, and that introduced an uncertain element into its budget. There was a need to revise the statutory fees so that the Council might follow its decided policy without hindrance.

Increased calls on the Benevolent Fund during the year had not been matched by a corresponding increase in income. There was need for more widespread support for the fund and for more deeds of covenant. The Premises Fund was looked to to provide the new headquarters buildings. Up to 1950 they had been able to transfer £15,000 a year to that fund to build it up. In 1951, £15,000 had had to be transferred from the Premises Fund on loan to the General Fund, and the same had happened in 1952. The book value of the securities had declined. It was necessary to emphasise the need for the General Fund to be placed on a sound footing, not only on general grounds but in order that the Premises Fund might again be built up.

A proposal of the History of Pharmacy Committee to organise a historical exhibition in connection with the London meeting of the British Pharmaceutical Conference was approved and authority was given to proceed.

Letters received indicated that the Board of Trade was considering whether to give legislative effect to recommendations of the Hodgson Committee on Weights and Measures that cotton wool and lint should be sold by weight only; and that disinfectants, germicides and insecticides should be sold by weight or measure only. The Society's comments were requested, as well as on the Committee's recommendation that, after five years, the apothecaries' system should be abolished in favour of the metric system. The Council agreed with the National Pharmaceutical Union (whose views had been obtained) that there was no objection to the proposed control of the sale of pre-packed cotton wool, provided that the retailer should have the right to transfer the responsibility to his supplier in the case of any offence of giving short weight; that the same applied to pre-packed lint, except boric acid lint (for which some method other than packing by weight would be necessary); but that control of packs of disinfectants, etc., on the lines proposed, was not desirable and would merely add to the responsibilities of the retailer without any substantial public advantage. The Council held that the opinion of the British Medical Association should be sought before a reply was sent to the question on the metric system.

The Education Committee, after considering a draft revised syllabus for biology, part I (botany) in the Intermediate examination, recommended, and the Council

approved, that it should be published, adopted, and examined upon for the first time in June 1954. During a discussion it was mentioned that there was a shortage of biology teachers in secondary schools. A suggestion that on that account the syllabus should be restricted was countered by the view that it was against the student's interest for the Intermediate to be made an easy examination when the final was difficult. Draft amendments to the examination regulations were adopted for submission to the Privy Council. They provide for a change in the last date for receiving entries for the Qualifying examination and omit references to former regulations for the Chemist and Druggist Qualifying examination.

A letter from the secretary of the Pharmaceutical Society of East Africa indicated that that Society had been extended to cover Kenya, Uganda and Tanganyika. It was agreed to send a letter of congratulation and good wishes. The Organisation Committee approved a proposal that the name of the Inverness and Northern Scottish Branch should be changed to "The Northern Scottish Branch."

The Benevolent Fund and War Aid Committee's report stated that legacies had been received for the Benevolent Fund:—From the late Messrs. J. W. Smith, Nottingham (£100); R. Sykes, Huddersfield (£100); and C. J. Reid, Southampton (£100) (and £100 to the General Fund). The National Association of Women Pharmacists donated £56 (the sum held in the Buchanan Memorial Fund of the Association) and certificates for £100 $3\frac{1}{2}$ per cent. conversion stock and £100 $3\frac{1}{2}$ per cent. war stock (held on behalf of the Alice Freke Loan Fund of the Association), plus accrued interest on the stocks amounting to £33, to the Benevolent Fund. The Committee's report expressed congratulations to the Birkenhead, Cheltenham and Huddersfield Branches on the high average of their members' contributions (more than £1 a head in 1952).

Proposal on New Drugs

Reports on the Intermediate examinations held in April were received. In England and Wales there were fourteen first entries of whom five passed, seven were referred, and two failed. Of twenty-four re-entries, ten passed, five were referred, six failed, and three were absent. Of forty-nine entrants for a referred subject, twenty-eight passed, and twenty-one were again referred. In Scotland there were six first entries of whom three passed, one was referred and two failed. There were twenty-four re-entries of whom ten passed, six were referred and eight failed. Seventeen candidates sat for a referred subject, and eleven passed, six being again referred. In April fourteen candidates entered for the Diploma in Biochemical Analysis examination and ten passed.

The Law Committee reported consideration of a resolution from the Bradford Branch that new drugs should be placed in Schedule I rather than Schedule IV until full and extensive trials had proved that the Fourth Schedule was the appropriate one. The Committee held that the controls under the Pharmacy Acts might not be entirely satisfactory or, in all cases, suitable for many of the modern drugs, and they would consider the matter from that point of view.

Messrs. H. M. Hirst and F. C. Wilson were appointed to represent the Society at a meeting in connection with the bicentenary of Sir Hans Sloane. It was reported that, owing to illness, Miss M. C. Islip would not be able to attend, on behalf of the Society, the Congress of the International Hospital Federation being held in London, May 25-30. Mr. F. C. Wilson was appointed in her place.

Mr. F. C. Wilson informed the Council that applications for tickets for the London meeting of the British Pharmaceutical Conference to be held in London in September were being received "at a high rate," and that those who still hoped to attend should apply without delay.

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

"Symbolic Ill-health"

NOT the least revealing of many illuminating and epigrammatic phrases coined by Professor F. A. E. Crew, F.R.S. (professor of public health and social medicine, University of Edinburgh), in his (British Medical Association) Sir Charles Hastings lecture, 1953, given in London on May 6, was his reference to a "dramatised discontent born of disharmony." That, he considered, was the characteristic phenomenon of the present era of socialised medicine. That discontent showed itself in a "symbolic ill-health"—an "escape from problems down the narrow neck of the medicine bottle." It might have been expected that Professor Crew would go on to argue that the supply of medicines under the National Health Service ought to be drastically curtailed. Earlier, in tracing the development of social medicine from the original belief—first productive of action about a century ago—that much of the ill-health then prevalent was preventable, represented a common danger, and could be overcome by common action, he had in fact said that "the pharmacy of the new social medicine was not the chemist's shop—it was the Council chamber of the Local Authority and the House of Commons."

But on the contrary, "With the world as it now is," said Professor Crew, "nothing would be more calamitous than to rob people of that kind of illness." Health, in his prophecy, would come by other routes. It would come as a by-product of the spirit of aspiration. The diseases that had come under control so far were those of "biological man." If success attended the present onslaughts of research into the cardiovascular and malignant diseases—two of the "lowly that have come into unlovely prominence" as the principal killers today, the others being "violence" (e.g., road accidents) and tuberculosis—the expectancy of life would leap to new levels. Then, even more than now, the diseases of the old or senescent would be emphasised in importance. Those ailments were of the kind demanding social measures, and Professor Crew made the daring proposal that the same amount of encouragement, financial and other, as was now given to medical scientists should be given to the social scientist. For one thing, to do so would provide an answer to the problem encountered today in the treatment of tuberculosis, in which the medical advances were subject to frustration from current social conditions.

If, by such approaches, the burden of chronic and incurable mental ill-health symbolised by "escape

through the medicine bottle" were to be lifted, pharmacists would be as pleased as everybody else. Their "brand" of pharmacy has survived against the "pharmacy of the Council chamber," and will adjust itself, no doubt, equally well to the at present hypothetical "pharmacy of the social-science laboratory."

Plant and Machinery Allowances

THE introduction of the initial allowance for machinery and plant, at the rate of 20 per cent., has been welcomed by persons engaged in a trade, business or profession. The initial allowance is uniformly at that percentage, but it should be noted the rate of the wear-and-tear allowance varies according to the nature of the particular plant and machinery concerned.

As the initial allowance came into operation on April 15, 1953, a purchase of, say, a motor vehicle, made on or after that date would rank for the allowance whether the article were purchased new or secondhand. If, therefore, a motor vehicle is now purchased for, say, £1,000, one-fifth, i.e., £200, can be claimed as an initial allowance. A wear-and-tear allowance also can be claimed in each year, at the rate, probably, of 25 per cent. It seems, therefore, that for the first year there would be an initial allowance of 20 per cent., plus a wear-and-tear allowance of 25 per cent. = 45 per cent. in all. The balance of £650 is the written-down value of the vehicle for the second year, in which again 25 per cent., based on the written-down value of £650 (i.e., £162 10s.) could be claimed as a wear-and-tear allowance. For the third year the written-down value of the vehicle would be £650 minus £162 10s., or £487 10s., and 25 per cent. of that figure could be claimed as the wear-and-tear allowance for that year, and so on.

Should the vehicle be sold, and the price obtained be in excess of the written-down value after the initial allowance plus wear-and-tear allowances have been granted, the seller would be liable to an assessment by way of what is called a balancing charge. If, on the other hand, he had received on the resale less than the written-down value, he could claim relief by way of balancing allowance in respect of the difference. Originally, balancing charges and balancing allowances would arise only if the article was sold or destroyed while the trade, business or profession was continuing.

The taxpayer could claim benefit also if he gave the article away or took it out of the trade or business.

EXAMS FOR ASSISTANTS

THE syllabus for the assistant dispenser in retail

Has been duly made out

By the experts no doubt

With considerable care

To be perfectly fair,

But they've failed to include more than one indispensable detail

Such as, How to dispense

Light mag. carb. with no dense

Cloud of Christmassy white,

Furthermore, how to write

On a Wants List in writing that later is easily read off,

How to sort out the post

—And throw away most,

Most important of all

Just how to forestall

The mother who wants baby weighed when he's yelling his head off.

J.J.H.

Onward from Galen

A CURRENT CAUSERIE

APPLICATIONS are now coming in at a fast rate for tickets for the London Conference, and the Committee expects that the upper limit will have been reached well before the Conference opens. A curious feature of the applications has been that 25 per cent. of them have been incomplete—surely an unexpectedly high proportion for professionally trained people so accustomed to filling forms as pharmacists must be. It should be noted by all future applicants that every form sent out to applicants requires an entry of some kind, even if only a negative one, since without the information the forms give the various committees will be severely handicapped, not to say crippled, in their efforts to organise an 800-strong Conference in the world's largest concentration of population, in which the "competition" of other interests and activities is so tremendous. It is good news that the intention to hold an exhibition at the Conference is now certain of being carried out. Its preparation and organisation are in the capable hands of the Society's History of Pharmacy Committee.



CONGRATULATIONS to the newly revived London County Pharmaceutical Association on the success of its first meeting recently in what we hope will be a long new series—a "hustings" at which Council candidates were invited to address members of the Society resident within the area covered by the Association. High praise, too, to the East Metropolitan Branch, which has sponsored such a meeting in the past year or two, for handing over so gracefully to the joint body. The importance candidates attach to the London vote—12 per cent. of the total—is reflected in the fact that sixteen of the twenty-one candidates attended. Ironically, not one of them came from the Association's area, though Mr. F. G. Wells is, of course, a near neighbour. One of the reasons for reviving the Association is to see to it that at future elections London is represented among the candidates.



AMONG the extra-professional work done by pharmacists for their colleagues, the self-imposed task undertaken by Mr. Stanley Robinson, Ilford, and his wife, for nearly twenty years, that of organising rambles for pharmacists living in or near London, has been as meritorious as it has been unobtrusive. Seldom does it bring tangible "rewards," but Mr. Robinson has some cause to feel rewarded when, as happened on a recent ramble in Kent, he and his co-walkers were met—not for the first time—by a deputation from the Tunbridge Wells Branch of the Pharmaceutical Society.

Although he confesses that he "copied" the idea of pharmacy-ramblers from Manchester pharmacists "who used to be very active," Mr. Robinson must be given credit for linking London pharmacists walkers with the Ramblers' Association—in whose special train his party often travels.



Liebig's laboratory at Giessen in 1842, redrawn from the contemporary drawing by Trautschold, and reproduced by permission of Professor John Read, Aberdeen, author of "Humour and Humanism in Chemistry." The illustration of Liebig's apparatus for organic analysis (*C. & D.* May 9, p. 476) was by courtesy of the Science Museum, London.

CORRESPONDENCE

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

UNQUALIFIED ASSISTANTS

SIR,—Pharmacists objecting to recognition of so-called "unqualified dispensers" should not employ them in that capacity, but do the job themselves, for which they alone are paid under N.H.S. Doctors, dentists, and opticians are not allowed unqualified assistants.

LONDON, E.17

W. FOSTER

"TAILS YOU LOSE"

SIR,—The Customs and Excise officer paid his usual call to verify that we had correctly paid over to his department the princely sum of £2 2s. 11d. collected in respect of a small department of our business: photographic Christmas cards. After a whole afternoon spent in checking every detail, we finished our work "all correct." It was then suggested that perhaps he might like to verify the sum of more than £400 which his department had bilked from us by the recent purchase-tax reductions. He had the grace to be sympathetic in what was a most ironical situation.

TAX PAYER (DUPLEX)

OVERSEAS STUDENTS AS "OBSERVERS"

SIR,—I would be grateful for the assistance of your readers in finding places for some students who wish to come to this country under the International Pharmaceutical Students' Federation student-exchange scheme. At the present moment I have requests for the following (all male):—

One Swiss student, August to October.

Two Austrian students, July to mid-October.

Two Finnish students, June to July.

Some British pharmacies may be prepared to accept them as observer-students.

64 HIGH STREET,
LONDON, E.11

SIDNEY J. RELPH, *Secretary-General*

EC10 "REPEATS"

SIR,—As a student in my second year of pupillage, I should like to hear pharmacists' opinions on the following proposal for altering the method of the presentation and dispensing of N.H.S. prescriptions on EC10 forms. Many doctors in treating patients prescribe medicaments and continue to use the same ones over a considerable length of time. Why not, then, instead of the patients' having to present further forms for the same prescription, let them be given only one by the doctor, to be endorsed "to be repeated three times." The patient then takes this form to a chemist, who dispenses the medicament, collects the shilling, and tells the patient to return for further supplies as required. Upon each repeat, the chemist collects another shilling from the patient. The chemist will, in fact, retain the EC10 until he has dispensed the full number of repeats, when he stamps on the back of the form "I have received three repeats of the prescription(s)" and asks the patient to sign it, thus providing evidence that he has fulfilled the requirements of the script. He then sends it up for pricing, when this particular form will be regarded as a 4s. one by the Bureau. The proposal has the advantages of saving the time of (1) the doctors, from seeing and writing out repeat prescriptions for their patients; (2) the patients, from travelling to the doctor and waiting to see him; and (3) the chemists, from having fewer forms to deal with in pricing and counting.

WESTCLIFF-ON-SEA

A. B. KAISER

The signatories of a letter on "Glasgow Committee Resignations" (*C. & D.*, May 9, p. 474) were officers of the Association of Glasgow Pharmacists and not of the Society's Branch—EDITOR.

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

BOCASON dental powder

EVIADLIN tablets

COROMYCIN or KOROMYCIN for asthma

Pharmacists and manufacturing chemists are among people on whom a responsibility rests in the prevention of

ACCIDENTAL POISONING

By DR. A. HOLZEL (lecturer in child health, University of Manchester)

EACH year from thirty to forty children under the age of fifteen years die in England and Wales from accidental poisoning due to the ingestion of various drugs. Many times that number suffer permanent injury to their health, though precise figures are not available, since only fatal accidents are notified to the Registrar-General. As approximately one in twenty children poisoned accidentally take a lethal quantity of a drug (usually a drug that has been prescribed for an adult member of the family) it can be assumed that 600-800 children in England and Wales poison themselves inadvertently each year.

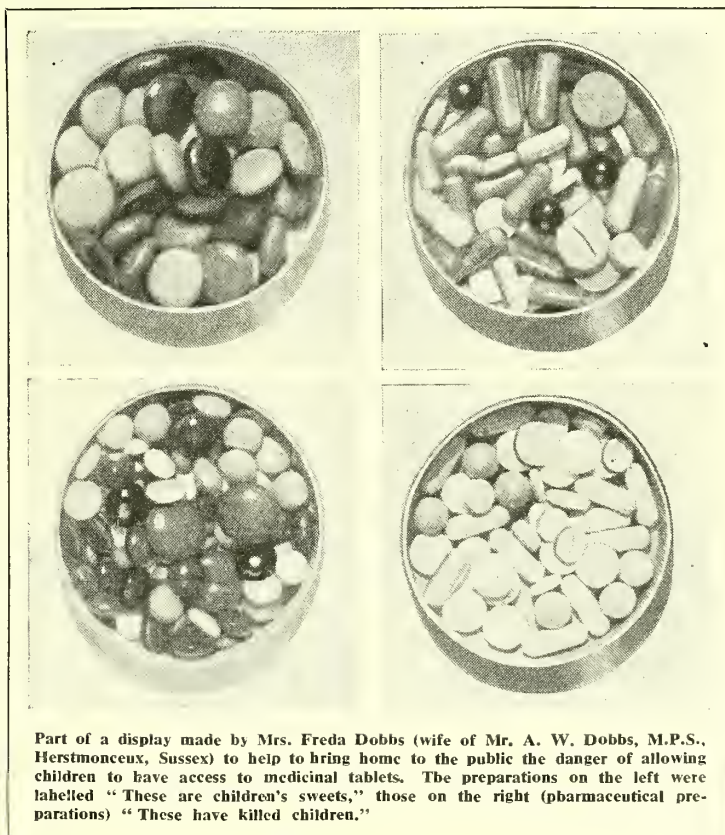
Statistics show that in Great Britain, as well as in other countries such as the United States, Canada and the Scandinavian countries, more than 85 per cent. of accidental poisonings under the age of fifteen years occur in children under five years of age. The following figures taken from the Registrar-General's Statistical Review — Medical 1949 (1951 ed.) illustrate the point:—

	0-1 year	1-5 years	5-15 years
Male	—	16	5
Female	—	14	—

It appears that the young child under school age is the most likely victim of such accidents. The following example shows how the distressing fatalities may take place, and suggests a means for their prevention. A young mother was given green tablets for her hay fever. She was not warned of the danger inherent in any overdosage. She left the box of tablets in her handbag within easy reach of her 20-months-old lively and intelligent son, who was sitting in his high chair. By the time she returned to the room he had emptied the bag, discovered the box and eaten an unknown number of tablets. Hands and mouth displayed a greenish discoloration, as did the mucosa of his intestines at the *post-mortem* examination. The prime factors in that, as in other accidents, were ignorance and carelessness. To those a third has to be added, namely ease of access to a dangerous drug. To attempt, therefore, to eliminate or reduce the number of accidental poisonings logically necessitates an attack on the three major contributory factors. Many are the dangers that beset a young child's life in the home, and varied are the accidents that may occur. It is the duty of persons engaged in giving supervision and instruction on child and maternal welfare to enlighten parents on the protection of their children from the perils that lurk in the home. Such general measures are likely, unfortunately, to have only a limited effect. It is therefore essential that warning instructions should be given individually to any adult to whom drugs are being dispensed, however innocuous they may be in the prescribed dose. Such reminders may be given direct by the dispensing chemist at the time of issue of the prescriptions, and by the prescribing doctor when the drug is ordered. In the hurry and rush of a doctor's surgery, chemist's shop, or hospital dispensary, the reminder may frequently be forgotten. It should not be too difficult to have labels affixed to each container in which a medicament is dispensed indicating that it should be stored in a safe place out of children's reach. That is the only reliable way of preventing

mishaps. It has been said that such printed warnings as "Poison," "Keep in a safe place," etc., are irrelevant since those who are most likely to suffer cannot read or understand them. But the directions are meant for adults entrusted with the care of children, who normally are able to read and heed them. Such measures by themselves are likely to prove inadequate, and do not apply to dispensed medicines or to substances that are not statutory poisons though they may be dangerous. Steps must be considered that will make access to the drug more difficult, even if the containers find their way into a child's hands. The suggestion has been put forward to employ screw-capped bottles for medicines and drugs. To open such containers, however, is certainly not beyond the ingenuity, enterprise and intelligence of the normally curious and inquisitive young child. There is an urgent call upon industry to devise and produce cheap and safe containers that will at least make access to the contents a relatively tiring and difficult undertaking for the very young.

The pharmaceutical industry at present extensively employs sugar and chocolate coatings for drugs of unpleasant taste, and at the same time makes use of a large number of otherwise innocuous dyes to produce gaily coloured tablets, dragees and capsules, which look exactly like a large number of popular brands of sweets, and are apt to be mistaken for them. Less appealing colour schemes for the distinctive marking of the various types of tablets and dragees might well help to lessen that hazard. Every effort should be made to put into effect the relatively simple measures suggested, and so eliminate the wastage of valuable human life.



Part of a display made by Mrs. Freda Dobbs (wife of Mr. A. W. Dobbs, M.P.S., Herstmonceux, Sussex) to help to bring home to the public the danger of allowing children to have access to medicinal tablets. The preparations on the left were labelled "These are children's sweets," those on the right (pharmaceutical preparations) "These have killed children."

AVOIDING CHILD POISONINGS

How pharmaceutical packing and presentation may help

THE distressing number of deaths of infants caused by their gaining access to and swallowing lethal quantities of medicines, particularly tablets, calls urgently for special preventive measures. In theory the complete answer may be for adults to keep all medicines out of reach of even the most active children. The education of the public in these matters is of the utmost importance, and is a field where the retail pharmacist who is in direct touch with the public can do useful work. But education takes time, and it is doubtful if that alone would eliminate all carelessness and resultant accidents, particularly in periods of health crises.

The tragedy of child-poisoning accidents does not end with the approximately thirty deaths of children under five (the most frequent victims) that the Registrar-General's figures show to occur annually in England and Wales. It extends also to injury and ill-health caused by non-fatal poisoning. Dr. A. Holzel (p. 501) computes that 600-800 children under fifteen in England and Wales alone suffer from poisoning annually. The incidence of accidental poisoning in children under five years of age has grown from fifteen and twenty-one recorded cases in 1939 and 1940 respectively to twenty-seven and thirty cases in 1948 and 1949 (the last years for which details are available). It may be significant that, of the reports of inquests published in *THE CHEMIST AND DRUGGIST* in the past two years, twenty-five per cent. have been of children who have innocently swallowed medicine intended for others. Heading the list of substances causing "other acute accidental poisoning" (i.e., not gas) in children under five in England and Wales during the period 1940-49, according to the Registrar General's figures (number of deaths caused in parenthesis) are:—Iron preparations (twenty-two); oil of wintergreen and methyl salicylate (twenty-two); strychnine (sixteen); aspirin (thirteen); quinine (thirteen).

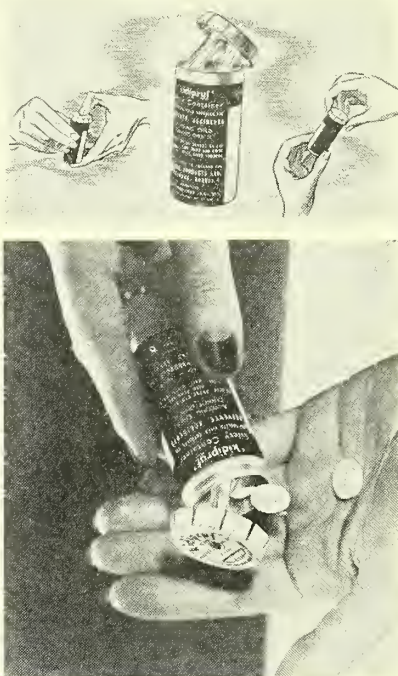
Children are often specially susceptible to compounds comparatively well tolerated by adults, and unfortunately two such medicaments (iron salts and aspirin) present the additional hazard of being frequently prescribed and used.

An obvious method of reducing the incidence of poisoning is to put an obstacle between the tablets, pills, capsules, etc., and the child. Such an obstacle may be a container

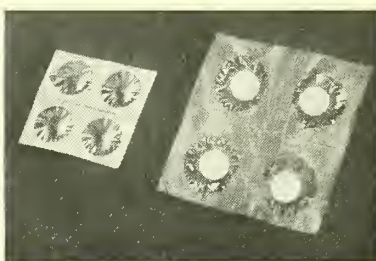
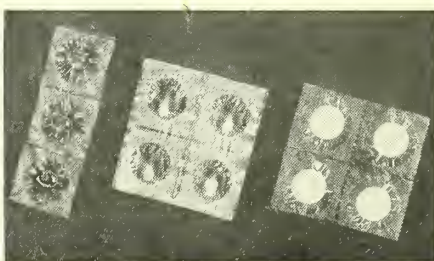
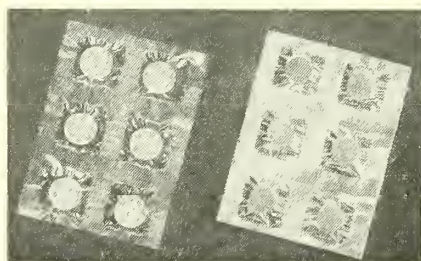
the child cannot open or a tough plastic-film packing tape. Even if the child gained access to the taped tablets he would not be able to remove them, or at worst his rate of taking poison would be much reduced. Children often tire quickly of a complicated task and that trait is an additional safety consideration.

A number of safety containers have been designed. May & Baker, Ltd., have had in use a tin closed with a lid having a long screw thread, requiring the cap to be turned many times before it is removed. At least when received from the pharmacist such a pack would act as an obstacle in the inquisitive hands of a young child, though its efficiency in subsequent use would depend on how much the patient screwed down the cap. A more recently devised pack is the Kidipruf container (see illustration), marketed by Clinical Products, Ltd., Richmond, Surrey. This consists of a cylindrical tin fitted with a strong spring cap that cannot be operated by an infant. To guard against the cap being lost, it is held in the open position by a plastic fork device. The complete efficiency of the container so far as safety is concerned is then dependent only on the patient's closing the spring-cap (which he is almost invited to do by the facility with which the cap sits in position), and not transferring any of the contents to a smaller container of his own. The different ways in which plastic or rubber film can be used to enclose tablets, etc., in tapes is almost limitless, and a number of them are illustrated. Makers of machines, or providers of service, for tape packaging include Ivers Lee Packaging Service, Ltd., 113 Farnham Road, Trading Estate, Slough; Ideal Packagings, Ltd., Shrewsbury Road, London, N.W.10, and Clinical Products, Ltd. Any degree of toughness of film can be used on the machines.

However, special packs involve extra expenditure, and until the Minister of Health, for example, can be persuaded that the extra cost of the general use of safe packs in the National Health Service would be amply repaid in the value of young life and health saved, those packs may not be universally adopted. Other factors must therefore be considered. Among factors of solely pharmaceutical importance is the colour of the preparation. As bright colours attract children and brightly coloured tablets also resemble certain kinds of sweets, it is possible that unattractive



Kidipruf container: Above, illustration showing construction. Below, the spring cap cannot fall off when the container is open.



Tablets may be packed in many ways with a variety of tough films. The result not only provides an obstacle to inquiring children, but is a method of preserving the drug against deterioration.

tive colours for medicinal preparations would have a safety value, whatever their disadvantages in other ways. Flavour has a doubtful influence in the matter, since there seems general agreement that very small children are indiscriminate in what they put in their mouths. Nevertheless at least one manufacturer is including quassin in the sugar coating of his tablets to act, it is hoped, as a deterrent.

The labelling of medicines with a warning that they should be kept out of the reach of children might be helpful. If made general it would cease to indicate to a patient that a medicine was specially potent. Already a local branch of the Society has had such labels printed for use by its members in co-operation with local doctors, and there seems no reason why such a scheme should not be applied nationally.

The problem of preventing wastage by poisoning accidents of children cannot be solved by one course only. The "obstacle" deterrent method, however, is likely to prove the most immediately rewarding.

Ways of tackling the problem of HOME POISONINGS

BY WINIFRED E. DUNCAN (Home Safety Department, Royal Society for the Prevention of Accidents)

MOST home accidents can be prevented if the danger of such accidents is understood and if simple precautions are taken to prevent them. This is particularly true of poisoning accidents to children, and yet there are at least thirty deaths from this cause every year in Great Britain, and a much larger number of non-fatal accidents.

The most dangerous drugs for children would appear to include aspirin and salicylates and brightly coloured capsules of varying types which are often mistaken for sweets, while cleansing aids in common use are also responsible for a number of deaths. If mothers could be educated in the appreciation of the danger of such drugs and substances being left within reach of children those unnecessary accidents would not occur. Here the doctor and the chemist could give valuable assistance, particularly where analgesic and soporific drugs and iron capsules and tonics are concerned. The help could take the form of warnings, written and verbal, of the danger of leaving the drugs where children can find them (particularly on the bedside table). Warnings about aspirin tablets, etc., are not so simple, as the ordinary housewife considers them harmless, as indeed they are if taken in their correct dosage. Here, however, the health visitor, district nurse and midwife can assist by a friendly word of advice to the many mothers they visit.

Every household where there are children should possess a medicine cupboard which should always be kept locked. It is not enough to place it where it is apparently out of reach of young children. They are naturally inquisitive, love to climb, and extraordinarily persistent in finding a way to reach an thing they wish to investigate. Containers difficult to open are a help, having at least a delaying action, but her again too much reliance should not be placed on them and they should be kept locked away with other containers of drugs. There is always a temptation to leave out of the cupboard medicines such as cough mixtures, tonics, etc., which are in daily use. The cupboard should be kept tidy, bottles clearly labelled, and "not to be taken" mixtures kept on one shelf in correct poison bottles. The need for that is illustrated by the number of cases of poisoning from wintergreen.

When domestic science is taught, instruction should be given on the question of the storage of, not only cleansing aids, but medicines and drugs. If that education is given, if doctors and chemists combine in constructive ways, if health visitors, district nurses and midwives also stress the need for care, and if mothers are ready to listen to such good advice, the tragic fatal and non-fatal accidents could be eliminated and many young lives saved and unnecessary suffering and illness prevented.

A Chartered Accountant gives answers to ANY BUSINESS QUESTIONS?

I am the sole director of a limited company. I understand it is necessary to appoint a secretary. Can I be appointed the secretary?

THE appointment of a secretary of a limited company is required under the Companies Act, 1948. Where a company has only one director, he cannot be appointed the secretary of the company. If it is desired that he shall be the secretary, it is necessary to appoint at least one more director. The appointment of the secretary or additional director must be notified to the Registrar of Companies.

In considering the value of stock at the end of our financial year, we have deducted 5 per cent. by way of a contingency reserve. Is this permissible?

It may be prudent to make reserves where considered necessary, and the accounts for the financial year should clearly show the provision that has been made. Stock should generally be valued at cost or market value, whichever is the less, and the provision of a general contingency reserve, prudent though it may be, will not usually be allowed to stand as a charge by the inspector of taxes dealing with the assessment to be based on the financial accounts submitted to him. However, specific losses, due for example to deterioration or damage, are losses incurred in the course of the business and will be reflected in the reduction of the stock valuation. The inspector of taxes may suggest that the stock as a whole should be taken at cost and also at market value and the lower total brought into account; but this should be resisted and each item considered separately.

How long it is necessary to keep receipts and invoices, etc.?

THERE is no legal requirement for a period of retention of receipts or invoices, etc. It must be borne in mind, however, that a receipt, etc., is an important piece of evidence, and it is therefore prudent to retain it at least for a period of six years, after which claims resulting from ordinary business transactions may become barred under the Statute of Limitations.

I have a few small credit accounts. It seems to me that I need only include these with takings when I actually receive payment. Will you explain to me what is the normal procedure?

It should be appreciated that the cost of such credit sales is included with purchases made in the trading year, and for that reason the Inland Revenue insist that all sales, credit and cash, must be brought into the total of sales for the period or year in question. Exclusion of credit sales would, moreover, disturb the relationship between gross profit and sales. Should some of those debts prove uncollectable, relief can be obtained against the financial year in which it is apparent the debt cannot be realised.

I hold the above shop premises under a repairing lease and I am writing to inquire whether the expenses I shall incur at the expiry of the lease or, if I sell the business, during the course of the lease, in putting the premises in order, are allowable as an expense for income tax purposes.

THE general position of repairs executed at the expiry of a lease is dealt with in a previous reply (C. & D., April 18, p. 402). It should be borne in mind that, if the lease is terminated and repairs are not undertaken before the vacation of the premises, it may be difficult to substantiate the claim. The sale of the business during the course of the lease does not call for any adjustments of assessments in respect of repairs borne by the taxpayer and already allowed as a revenue charge. The principle involved in considering the permissibility of such charge may be put simply in the form of a question: Are the repairs of a maintenance character (that is, does no element of improvement or addition of a capital nature enter therein?). The event of a sale does not, of course, alter a principle. Repairs laid out and allowed remain as a charge.

ESSENTIALS OF TREATMENT

A C. & D. "post graduate" course for pharmacists

DEALING SPECIALLY WITH THE PHYSIOLOGICAL AND PHARMACOLOGICAL PRINCIPLES INVOLVED

BY A MEDICAL MAN

11. ALLERGIC DISEASES (*continued*)

Hay Fever

In Great Britain, May, June and July are months in which there is a seasonal incidence of a condition characterised by rhinorrhœa, excessive lachrymation, and sneezing. Owing to its seasonal occurrence it has come to be known as hay fever both by the lay public and the medical profession. In other countries the seasonal incidence is different.

The association of the condition with grass is not inappropriate, because there is no doubt that it is provoked by many pollens. As with other allergic conditions, there are familiar tendencies in sufferers from hay fever, and a study of their medical family histories usually elicits histories of urticaria, hay fever, asthma or migraine in other members. It is believed that the allergen is contained in the pollen of plants and it is during the seasonal incidence of hay fever that pollination is at its maximum. As in all cases of antigen-antibody reaction, the reaction is specific in any particular case to a specific allergen, but it is not true that, in any particular case, the allergen is specific to one particular pollen. Timothy grass is generally accepted as the most frequent offender in causing the symptoms of hay fever, but it cannot be argued that that is due to the geographical distribution of Timothy grass. A much more likely explanation is that the pollen of Timothy grass contains a group of allergens which are widely distributed in other grasses. When a patient is tested for sensitivity, a positive result is obtained more often from Timothy grass than from others, owing to its "spectrum" of allergens.

That fact leads to a consideration of the value of skin tests in endeavouring to diagnose and find the cause of hay fever. The fact that a person produces a positive skin reaction to a particular grass does not denote that he suffers, or is even likely to suffer, from hay fever. The skin test is merely an aid to the diagnosis, and must be considered in the light of the clinical symptoms. The fact, also, that a person presenting the clinical symptoms and signs of hay fever reacts in a positive manner to the pollen of a certain grass does not, in itself, suggest that that particular grass is the sole cause of his hay fever. He may react to several of a group of allergens, and the test merely provides information that an allergen is present in that particular grass: it may be present in many others also, and there may be other offending allergens not present in the test. There are several hundreds of grasses in Great Britain alone, and it is obviously impracticable to perform skin tests of the whole range of known grasses on one patient. The value of skin testing is therefore limited, and the limitations are imposed to a certain extent by the lack of knowledge of the constituents of pollen. If the pollens could be further differentiated into their chemical constituents, a notable advance in the therapy of hay fever would be obtained.

Not only would the advance be in the diagnostic field but treatment itself would be assisted. At the moment there is no known method of assessing accurately the potencies of the various pollen extracts used in the desensitisation and prophylactic treatment of patients. It is impossible to say whether the grasses used in the preparation have an adequate allergen content, or whether the final extract, when prepared, is of good potency. One has to rely solely on the techniques of preparation and the

clinical response in susceptible patients. Results produced in that manner can never have the value of accurate chemical assays. Skin testing and subsequent desensitisation of the patients by doses of the causative allergen, graduated so that the maximum dose is given just as the seasonal incidence occurs, have thus a limited value. It has been said that, in choosing an extract to be injected for prophylactic desensitisation, it is sufficient to limit one's choice to a reliable extract of Timothy grass. There is a lot to be said for that view, since desensitisation to Timothy

PROPRIETARY ANTIHISTAMINICS

Drug	Proprietary name	Manufacturer	Mode of Issue	Dose
Antazoline	Antistin	CIBA	Tablets	50 and 100 mgm.
	Ben-A-Hist.	BENCARD	Ampoules	100 mgm. in 2 mls
	Histostab	BOOTS	Cream	2 per cent.
			Ointment	2 per cent.
Chlorocyclizine hydrochloride	Di-Paralene	ABBOTT	Tablets	25 and 50 mgm.
	Histanin	B.W.		
Diphenhydramine hydrochloride	Benadryl	P.D.	Capsules	25 and 50 mgm.
			Elixir	10 mgm. in 4 mls
			Injectations	10 mgm. per ml
			Ophthalmic Cream	2 mgm. per ml 2 per cent.
Mepyramine maleate, B.P.	Anthisan	M. & B.	Tablets	50 and 100 mgm.
			Elixir	25 mgm. in 4 mls
			Ampoules	25 mgm. per ml
			Cream	2 per cent.
Methaphenilene hydrochloride	Diatrin	WARNER	Tablets	50 mgm.
Phenindamine	Theophorin	ROCHE	Tablets	25 mgm.
			Ointment	5 per cent.
1-p-Chlorobenzhydryl-4-methylbenzyl piperazine dihydrochloride	Ancolan	B.D.H.	Tablets	25 mgm.
Promethazine hydrochloride	Phenergan	M. & B.	Tablets	10 and 25 mgm.
			Elixir	5 mgm. in 3.6 ml
			Ampoules	25 mgm. per ml
			Cream	2 per cent.

ABBOTT = Abbott Laboratories, Ltd., Wadsworth Road, Greenford, Middlesex. BENCARD = C. L. Bencard, Ltd., Great West Road, Brentford, Middlesex. BOOTS = Boots Pure Drug Co., Ltd., Nottingham. B.D.H. = The British Drug Houses, Ltd., Graham Street, City Road, London, N.1. B.W. = Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1. CIBA = Ciba Laboratories, Ltd., Horsham, Sussex. P.D. = Parke, Davis & Co., Ltd., Hounslow, Middlesex. M. & B. = Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex. ROCHE = Roche Products, Ltd., Welwyn Garden City, Herts. WARNER = William R. Warner & Co., Ltd., Power Road, London, W.4.

grass produces valuable results in a large proportion of those cases that are likely to respond to desensitisation. In any case there is little point in performing elaborate tests over a wide range of grasses in skin testing because, once sensitivity has been determined, the appropriate desensitisation treatment is provided by injection of either a good quality Timothy-grass extract or a mixed-pollen vaccine.

The symptoms and signs of hay fever are, to say the least, distressing to the patient, and in many of the more severe cases (depending upon his occupation) they are temporarily disabling. If there is any curative treatment it is provided at the moment solely by desensitisation, but the past few years have seen notable advances in remedial treatment, principally as a result of antihistamines. These undoubtedly provide the patients with relief. By reason of the side-reactions associated with those drugs, it is a matter of clinical judgment which is the appropriate one to use in any particular case. The table on the opposite page is a useful guide.

In addition to the administration of antihistamines it is advisable in the more severe cases to give symptomatic treatment. Excessive lachrymation produces an associated conjunctivitis, to relieve which an eye lotion such as the following may be given:—

I	
R Zinci sulphat.	gr. vi.
Acid. boric.	3 i.
Liq. hamamelidis	3 iv.
Aq. rosæ	ad 3 vi
Sig. Utend. cum partibus æq. call. ter vel quater die.	
II	
R Adrenaline hydrochloride	1 part.
Normal saline to	20,000 parts.
Sig. To be used as an eye lotion three or four times a day.	

In addition to lachrymation, rhinorrhœa is a distressing symptom. Although that is remedied by antihistamine treatment in the same way as lachrymation, it is sometimes advisable to give local treatment. This can be provided by nasal drops, such as:—

R Ephedrin. hydrochlor.	gr. iv.
Sodii chlorid.	gr. ii.
Chlorbutol.	gr. ii.
Aqua. dest.	ad 3 ii

It will be noted that the drops are provided in an aqueous medium, which in the vast majority of cases is preferable to oily solutions. The effect is to cause a constriction of the mucosal lining of the nasal passages. The drops should not be used indefinitely, however, because there comes a time when the membrane fails to respond to vaso-constrictors. The addition of an antihistamine to the drops is sometimes of value, and in this connection one or two proprietary preparations are available. Care must always be taken that the secretions are not dried up by the nasal preparations to such an extent that the encrustations become excessive. If that occurs the openings of the sinuses become blocked, and secondary infection is liable to occur, with an infective sinusitis as a result. In such cases, and in cases having a concurrent infection, antibiotics may be indicated, either for curative or for prophylactic purposes.

As sufferers will know, hay fever can be a most distressing condition, even though it is not fatal. Severe attacks tend to be exhausting, and frequently nasal congestion interferes with sleep. Many of the antihistamines have hypnotic effects also, and in such cases the prescription of a sedative may not be justified. In other cases it may be advisable to give a barbiturate. A simple remedy to relieve nasal congestion at bedtime is provided by menthol ointment, the application of a little of which around the nasal orifice frequently helps to give the openings of the sinuses patent. Nasal breathing is correspondingly eased.

From the description given, it can be seen that, although much has been done in the treatment of hay fever, the introduction of antihistamines has provided remedial, rather than curative, measures. The pathological changes in the tissues are well known, as are the symptoms, and

the diagnosis is not too difficult. It seems that little more can be done until further knowledge is gained of the biochemical changes that occur in human metabolism as a result of allergy. Before that occurs it is probable that much useful information will need to be obtained from a better knowledge of the chemistry of allergens.

Allergic Rhinitis

The treatment of allergic rhinitis is similar in all respects to that of hay fever. The main difference lies in the fact that causes other than pollen exist, and the condition occurs at all times of the year. There are a variety of exciting agents and probably skin testing is even less reliable than in hay fever. Greater discrimination has to be shown in the choice of nasal drops and sprays, with particular regard to the duration of their administration. If the membranes cease to respond to vaso-constrictors, the chances of secondary infection and sinusitis are materially increased. Sometimes oily nasal sprays are more effective in softening nasal encrustations than the aqueous solutions. The medicaments are incorporated in an oily base in the same proportions as for aqueous solutions prepared for the same purpose.

MEDICAL ABSTRACTS

PANCREATIC SIDE-EFFECTS OF MORPHINE

IN trials to investigate the influence of morphine on the pancreas, Wapshaw (*British Medical Journal*, 1953.1.373) found that the serum-enzyme concentrations were raised in 39 per cent. of eighty-four normal subjects. Carbachol appeared to intensify the effect of morphine in raising the concentration.

LIMITATIONS OF ORAL NIKETHAMIDE

ALTHOUGH large oral doses of nikethamide (e.g., up to 30 mls in single doses) were given in trials by Macarthur at the University of Glasgow and Stobhill Hospital, Glasgow (*British Medical Journal*, 1953. 1. 347) no effects on the cardiovascular or respiratory systems were produced. Signs of cardiac failure where present were not affected.

HYDROCORTISONE OINTMENT THERAPY

FAVOURABLE results in the use of ointments containing 1, 2½ or 5 per cent. of hydrocortisone acetate, in oily or dry bases, against skin diseases are reported by Sulzberger and colleagues (*Journal of the American Medical Association*, 1953. 151. 468). Sixty-two patients were involved. Conditions successfully treated included atopic dermatitis (the condition that responded most favourably), pruritis vulvæ, nummular eczema and lichenoid chronic dermatosis. The stronger ointment produced, in general, the more favourable results, but differences in response were not sufficiently marked to warrant the use of stronger preparations. There was no evidence that one base was more useful than another, though patients expressed preferences. After withdrawal of treatment, benefit usually wore off within four or five days. The authors conclude that local application of hydrocortisone offers the advantage, over the systemic use of cortisone or ACTH, of obviating adverse effects.

SHOCK FROM PENICILLIN

IN a report by Mayer and others (*Journal of the American Medical Association*, 1953. 151. 351) on six cases of acute shock, resembling anaphylaxis, it is stressed that shock reactions to penicillin are commoner than generally realised. Typical symptoms that occurred a few minutes after an injection of penicillin or procaine-penicillin were a feeling of weakness, difficulty in breathing (sometimes to the point of respiratory paralysis), cyanosis, collapse and unconsciousness. One of the patients, who had previously received courses of penicillin injections without ill-effects, fainted, but recovered immediately after taking an oral preparation of penicillin. On commencing a further course of injections he died within a few minutes. The authors recommend that all patients about to receive penicillin should be asked about their past experience of the drug. Where no such information is available, skin testing with a high dilution of penicillin is indicated. It is improbable, they say, that rapid desensitisation is feasible or possible.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

LONDON, MAY 13: A reduction in the prices of BISMUTH SALTS was announced by the manufacturers during the week. BISMUTH CARBONATE is one shilling per lb. cheaper at 23s. 5d. per lb. for 1-cwt. lots. The reductions for other salts vary between sixpence and ninepence per lb. The Board of Trade is considering extending the period of exemption from Key Industry Duty of those chemicals at present exempted (see p. 486). There were no other price changes in PHARMACEUTICAL or FINE CHEMICALS, and trading was generally quiet on home and overseas accounts.

Production and consumption of SULPHURIC ACID is now almost back to the peak levels attained about three years ago. The latest figures issued by the National Sulphuric Acid Association, Ltd., for the first quarter of 1953 (see p. 485) reflect the healthier state of the industry and of the larger consuming industries than a year ago.

Business in CRUDE DRUGS was again quiet, with prices generally unchanged. Exceptions, however, were Sumatra block BENZOIN, which was £1 per cwt. dearer at £28 10s. for No. 1 and TURMERIC for shipment, which was sharply increased to about 80s. per cwt., c.i.f., against last week's quotation of 68s. 6d. Spot supplies of the latter were immediately snapped up to cover immediate requirements and it is difficult now to locate any stocks at under 90s. Some hardening tendency in those commodities emanating from Egypt might have been expected as a by-product of the political situation, but no change is apparent yet. It is reported from Morocco that the new crop of CORIANDER SEED will total about 2,500 tons, against 10,000 tons last year. Portuguese ERGOT was easier at origin and all grades of SHELLAC were increased by 2s. 6d. per cwt. WAXES were unchanged with very little business passing. Shipments of SENNA from the Port of Tuticorin during the month of April were as follows:—

	United Kingdom	United States	Europe
LEAVES...	Bales 89	Bales 175	Bales 156
PODS ...	10	—	24

In the ESSENTIAL OILS market Paraguayan PETITGRAIN is scarce on the spot, with a few cases offering at

17s. 6d. per lb. Oils of Chinese origin continue a weak market. LEMONGRASS was slightly easier at origin and on the spot. Otherwise most prices were unchanged from last week.

UNITED STATES DRUG AND CHEMICAL REPORT

NEW YORK, MAY 12: BORAX and BORIC ACID movements were bigger than a year ago; quotations on borax and other boron items are being advanced on May 15. Brazilian MENTHOL again turned easier, falling 15 cents to \$6.10 per lb. Synthetic *laevo* menthol also declined to \$6.00 per lb. (down 40 cents). With imports falling off, a stronger tone is reported to be developing in GLYCERIN. In line with recent reductions in QUININE SULPHATE, the price of QUINIDINE ALKALOID has been cut to \$1.15 per oz. (down 15 cents). Owing to foreign competition, the price for HOMATROPINE METHYL BROMIDE has been reduced to \$10.50 per oz. (down \$2.50). Lower per lb. among CRUDE DRUGS are: Whole GENTIAN at 17 cents (1 cent); GUM ACACIA, amber sorts, at 12½ cents (1 cent); Asiatic STYRAX at 70 cents (2 cents); and Sumatra BENZOIN at 31 cents (3 cents). Lower per lb. among ESSENTIAL OILS are California ORANGE at 90 cents (10 cents) and CORIANDER at \$18.50 (\$1.50).

Pharmaceutical Chemicals

ADRENALINE.—B.P. is from 1s. 3d. per gm.

AMIDOPYRIN.—In 1-cwt. lots the price is 29s. per lb.

ASCORBIC ACID.—For pharmaceutical manufacturing use in the United Kingdom the rates (per kilo) are as follows:—1 kilo, £9 12s. 6d.; 10 kilo, £9 6s.; 100 kilo, £9.

ASPIRIN.—Prices are as follows.—5-cwt. lots, 4s. 6d. per lb.; 1-cwt., 4s. 6½d.; 28-lb., and under 1-cwt., 5s. 4d. Rates per 1,000 for TABLETS are as follows:—5,000, 4s. 10d.; 5,000 and over, 4s. 8d.; 10,000, 4s. 7d.; 25,000, 4s. 5d.; 100,000, 4s. 3d.; 250,000, 4s. 2½d.; 1 million, 4s. 1d.

BENZOCANE.—B.P. in 1-cwt. lots is about 22s. 6d. per lb.

BISMUTH SALTS.—Lower. The following are the prices (per lb.) in largest bulk packages from May 11:—

	1-cwt.	28-lb.	7-lb.
	s. d.	s. d.	s. d.
CARBONATE ..	23 5	23 8	27 5
SALICYLATE ..	22 6	22 9	26 4
SUBGALLATE ..	21 8	21 11	25 4
SUBNITRATE ..	20 11	21 2	24 6

1-cwt. lots are 3d. per lb. less than the 1-cwt. rates.

BORAX.—Prices for B.P. grade, for quantities of 1 ton and upwards are as follows:—Granular, £48 10s.; crystals, £51; powder, £52; extra-fine powder, £53 per ton. Prices of commercial range from

£39 10s. to £44 per ton, as to type, and dehydrated borax is £59 10s. per ton in 140-lb. paper-lined hessian bags or £58 10s. in 1-cwt. paper bags; carriage paid in Great Britain. Surcharges for small quantities as for boric acid.

BORIC ACID.—Prices for B.P. grade in quantities of 1 ton and upwards are as follows:—Granular, £81; crystal, £88; powder, £85 10s.; extra-fine powder, £87 10s. per ton, in 1-cwt. bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5-cwt., 1s. per cwt.; 3 cwt., 2s.; 1 cwt., 3s.

CINCHOPHEN.—1-cwt. lots are quoted at 21s. per lb.

CREAM OF TARTAR.—Rates for the home trade are now as follows:—1-ton lots, 201s. per cwt.; 10-cwt., 202s.; 5-9-cwt., 203s.; 2-4-cwt., 204s.; 1-cwt., 205s., delivered.

EMETINE SALTS.—Current rates per oz. for 32-oz. lots are: HYDROCHLORIDE, 240s.; BISMUTH IODIDE, 120s.

EPHEDRINE.—In 100-oz. lots ALKALOID is about 10s. 6d. per oz.; HYDROCHLORIDE, 4s. 3d.; SULPHATE, 5s. 3d.

HYDROXYANIC ACID.—Dilute, B.P.C., is from 1s. 4d. to 1s. 11d. per lb., as to quantity; Scheeles is from 1s. 8d. to 2s. 3d.

LEAD ACETATE.—B.P. crystals are 180s. per cwt., and technical, 160s.

LITHIUM SALTS.—Current minimum rates (5-cwt.) are as follows:—BENZOATE, 10s. 6d. per lb.; CARBONATE, B.P.C., 10s. 9d.; CHLORIDE (commercial), 10s. 3d. to 10s. 6d.; HYDROXIDE, 10s.; CITRATE, B.P.C., 8s. 6d.; SULPHATE, 8s.; SALICYLATE, 9s. 3d. (10-cwt.), delivered.

MAGNESIUM OXIDE, B.P. — Bulk rates are as follows:—LIGHT, 3s. 3d. per lb., and HEAVY, 5s. 4d. per lb. for minimum 1-ton lots.

MAGNESIUM TRISILICATE.—In 28-lb. packages the prices (per lb.) are now as follows:—28-lb., 4s. 9½d.; 1-cwt., 3s. 10d.; 5-cwt., 3s. 8d. Bulk rates for larger quantities a c from 3s. 4d. per lb.

METOL.—In 1-cwt. lots the price is 24s. 6d. per lb.; 28-lb., 25s. 6d.; 14-lb., 27s.; 7-lb., 28s.

NIKETHAMIDE.—Prices per kilo are: 1 kilo, 121s.; 50 kilos, 105s.

PHENYTOIN SODIUM.—Quotations for 1-cwt. lots are 27s. 6d. per lb.

PHYSOSTIGMINE.—Rates per oz. for 25-oz. lots are as follows: ALKALOID, 157s. 6d.; SALICYLATE, B.P., 118s.; SULPHATE, B.P.C., 137s. 3d.

PILOCARPINE.—In 25-oz. lots prices are: ALKALOID, 56s. per oz.; HYDROCHLORIDE, 46s. per oz.; NITRATE, 42s. per oz.

SULPHOCARBOLATES.—SODIUM PHENOL-SULPHONATE, B.P.C. (powder) is now 7s. 4d. per lb. in 1-cwt. lots and ZINC, B.P.C., 7s.

TEREBENE.—For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are from 4s. 3½d. to 5s. 2d. per lb.

THEOBROMINE.—Prices are as follows:—

	1-cwt.	28-lb.	7-lb.
	s. d.	s. d.	s. d.
ALKALOID, B.P.C. ..	22 6	22 9	23 3
and CALCIUM SALICYLATE ..	18 6	18 9	19 3
and SODIUM BENZOATE ..	18 3	18 6	19 0
and SODIUM SALICYLATE, B.P. ..	15 6	15 9	16 3

Lower quotations for 5-cwt. lots.

ZINC OXIDE.—Rates per ton for B.P. quality are now as follows:—2-ton lots, £120; 1-ton, £121; 5-cwt., £123; less than 3-cwt., £126.

EXCHANGE RATES ON LONDON

At the opening on Wednesday

*Alexandria ..	Piastres to £	97½-97¾
*Amsterdam ..	Florins to £	10.56-10.72
*Bombay ..	Shillings to rupee	1/5½-1/6½
Brussels ..	Francs to £	139-141
Copenhagen ..	Kronor to £	19.20-19.48
Dutch West Indies ..	Florins to £	5.24-5.32
*Hong Kong ..	Shillings to \$	1/2½-1/3
*Karachi ..	Shillings to rupee	2/1½-2/1½
Lisbon ..	Escudos to £	79.90-81.10
*Montreal ..	T.T.	Dollars to £ 2.80½-2.80½
New York ..	T.T.	Dollars to £ 2.78-2.82
Oslo ..	Kronor to £	19.85-20.15
Paris ..	Francs to £	972-988
Stockholm ..	Kronor to £	14.37-14.60
*Singapore ..	Shillings to £	2/3½-2/4½
Zurich ..	Francs to £	12.14-12.35

*Free market rates; remainder Bank of England.

Crude Drugs

ACONITE. — Spanish napellus is 3s. 2d. per lb., duty paid, ex wharf.

ALOES. — Prime Cape on the spot is 172s. 6d. per cwt.; shipment, 158s., c.i.f. Curaçao is from 335s. to 340s.

BALSAMS.—Quotations (per lb.) are:—*Canada*: Spot is about 27s. 6d. *Copaiba*: Soluble Para, spot, 16s. *Peru*, 11s., duty paid, and 9s. 3d., c.i.f., for shipment. *Tolu* (genuine as imported) on the spot is 20s.; for shipment, 18s., c.i.f.

BENZOIN.—Firm. No. 1 Sumatra block on the spot is from £28 10s. per cwt.

BISMUTH. — In minimum 5-cwt. lots METAL is 17s. 6d. per lb.

BUCHU. — New-crop for shipment is 1s. 9d. per lb., c.i.f., and 2s. for spot.

CAMPHOR. — Chinese (B.P.) powder on the spot is 3s. 7½d.; ¼-oz. tablets are quoted at 5s. 9d. per lb.; 2½-lb. slabs, 4s. 9d. per lb., all duty paid.

CAPRICUMS.—East African on stalk are 150s. per cwt., spot, and 135s., c.i.f., off stalk, 205s., and 175s., c.i.f.

CARDAMOMS. — Aleppy greens are offered from source at 7s. per lb., c.i.f., and on the spot at 9s. Seeds, 10s. 9d. c.i.f., May shipment.

CASCARA SAGRADA. — American bark, 1951 peel, is 340s. per cwt., duty paid. New-crop offers for June-July shipment are about 250s., c.i.f.

CASCARILLA.—Siftings are 1s. 3d. per lb., spot and quillings, 1s. 6d.

CASSIA BARK. — Whole on the spot is about 100s. per cwt., in bond, and for forward delivery, 87s. 6d., c.i.f. Broken, 75s., in bond, and 60s., c.i.f.

CHERRY BARK. — Thin natural is from 1s. 9d. per lb., duty paid, and rossed, 2s. 2d., on the spot.

ELEMI.—Spot offers are in the region of 2s. 4d. per lb.

ERGOT. — Portuguese for shipment is easier at 15s. 9d. per lb., c.i.f.

GINGER.—African new-crop on the spot is 100s. per cwt.; for shipment, 90s., c.i.f. Jamaican No. 3 is 105s., spot, and 95s., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts on the spot are 100s. per cwt.; afloat, 92s., c.i.f.; May-June shipment, 90s., c.i.f.

HENNA. — Indian green leaves are unchanged at 80s. per cwt., spot and c.i.f.; Egyptian is 100s., spot.

HYDRASTIS. — Root is 21s. 6d. per lb., landed terms.

IPECACUANHA.—Unchanged. Spot Colombian, 41s. per lb.; Nicaraguan, 46s., nominal. Forward: Colombian, May shipment, 39s., c.i.f.; Nicaraguan, May shipment, 44s. to 45s., c.i.f.

JALAP ROOT.—Vera Cruz is offering at from 3s. 2d. to 3s. 6d. per lb. according to test.

KARAYA.—No. 1 gum on the spot is unchanged at 200s. per cwt.; No. 2 is 140s.; No. 1, for shipment, 185s., c.i.f.

KOLA NUTS.—African halves are available on the spot at 4½d. per lb., 3½d., c.i.f., for shipment.

LIQUORICE.—Natural whole root, spot: Anatolian, 55s. per cwt., nominal; Russian, 45s., nominal; Syrian, 40s. to 42s. 6d. Russian, May-June shipment, 42s. 6d., ex wharf. Block juice quotations are from 185s. to 195s. per cwt., duty paid. Turkish stick is 250s. and Italian stick, 475s. per cwt., both duty paid.

LOBELIA.—Herb is 3s. per lb., spot.

MENTHOL. — Brazilian is 41s. per lb. Chinese, 46s. 6d., both duty paid on the spot. Shipment: Brazilian, 39s.; Chinese, 40s., both c.i.f.

MERCURY.—Nominal spot value is £71 per flask, ex warehouse.

MYRRH.—Aden selected sorts are quoted at £16 per cwt., on the spot. Siftings are from £7 10s. to £8 10s., and granulated, £13.

NUTMEGS. — West Indian 80's quoted at 3s. per lb. on the spot and 2s. 7½d. c.i.f., for shipment.

ORANGE PEEL.—Thin-cut is 2s. 2d. per lb., duty paid.

ORRIS ROOT. — Offers of good quality Florentine are now 155s. per cwt., ex-warehouse.

PEPPER.—White Sarawak on the spot is 11s. 3d. per lb., afloat, 11s.; May shipment, 10s. 9d., c.i.f. Black Malabar is 1,150s. per cwt., spot, and May shipment, 1,150s., c.i.f. Black Sarawak, f.a.q., 9s. 3d. per lb. and special quality, 9s. 6d., on the spot.

RHUBARB, Chinese. — Spot offerings include: round Shensi at 12s. 3d. per lb.; rough round high dried, from 3s. 6d. to 8s. 6d. as to quality.

SEEDS.—ANISE.—Spot, Cyprus, 140s. per cwt.; Turkish, 137s. 6d., duty paid, and 130s., in bond. CARAWAY.—Dutch in poor demand at 87s. per cwt., duty paid in London. CELERY. — Indian on spot is 1s. 10½d. per lb. CORIANDER.—Steady. Spot, 42s. 6d. per cwt., duty paid, and 40s. in bond. English, 67s. 6d. Shipment, Morocco, old-crop, 39s., and new-crop for June-July shipment, 41s. per cwt., c.i.f. CUMIN. — Poor demand. Spot, Cyprus, 140s. per cwt.; Morocco, 150s., duty paid; Malta, 150s. DILL.—Indian is 80s. per cwt., spot London. FENNEL.—Indian on spot has been sold at 195s. per cwt., and Argentine at 145s., duty paid. FENUGREEK.—Quiet. Spot Morocco offered at 42s. 6d. per cwt., duty paid. MUSTARD.—English, 70s. to 95s. per cwt., according to quality.

SENNA. — *Tinnevely* LEAVES: Prime No. 1 on the spot is 1s. 2½d. per lb.; No. 2, dry crop, 9½d. and No. 3, 8d.; f.a.q., 10d. PODS, f.a.q., from 1s. 2d. to 1s. 4d.; hand-picked range from 1s. 8d. to 3s. ex wharf. *Alexandria* PODS, manufacturing, 1s. 10d. to 2s. 3d.; hand-picked, 3s. to 4s. 6d.

SHELLAC. — Firmer. Spot quotations are:—F.O.T.N., pure, 180s.; F.O. standard No. 1, 192s. 6d.; fine orange, 215s. to 262s. 6d. per cwt., ex-London warehouse.

STRAMONIUM.—Indian LEAVES are 5½d. per lb., spot, and European, 97s. 6d. per cwt.

STROPHANTHUS. — *Kombé*, 100 per cent. is quoted at about 15s. per lb., on the spot, and *Gratus*, 25s. per lb., nominal.

STYRAX.—Spot is 5s. 9d. per lb., duty paid.

TRAGACANTH.—Unchanged. No. 1 ribbon on the spot is £120 per cwt.; No. 2, £105; No. 3, £70.

TURMERIC.—Quotations for Madras finger have advanced sharply at origin to around 80s. per cwt., c.i.f. Spot supplies are scarce.

VALERIAN. — Indian, 165s. per cwt. Belgian, 200s., spot.

VANILLIN. — Rates (per lb.) are:—5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb., 30s. 6d.; smaller quantities, 30s. 9d.

WAXES.—BEES.—Dar-es-Salaam. Spot, 430s. per cwt., May shipment, 420s., c.i.f. Sudanese and Abyssinian, 370s., c.i.f.; spot, 430s., duty paid. CANDELLILA.—Spot is 635s. per cwt. CARNAUBA. — Prime yellow, only small lots available on the spot at 1,225s. per cwt.; afloat, 1,170s., c.i.f.; shipment, 1,150s., c.i.f.; fatty grey is 970s. nominal on the spot; shipment, 905s., c.i.f. MONTAN.—Reibeck crude on the spot is 135s. per cwt. OUUCURI.—Spot, 0.5 per cent. impurities, 730s. per cwt. SPERMACETI.—Case lots are 1s. 9d. per lb.

WITCH HAZEL.—Leaves on the spot have sold at 1s. 10½d. per lb.

Essential and Expressed Oils

ALMOND.—B.P. is from 6s. per lb.

AMBER.—Rectified on the spot is quoted at from 1s. 6d. per lb.

ANISE. — Spot supplies are offered at from 6s. 9d. per lb. for original drums, and for shipment about 6s. 6d., c.i.f.

BAY.—W. Indian is 8s. 6d. to 9s. per lb. on the spot.

BERGAMOT. — Spot value is about 82s. per lb.

BIRCH TAR. — Rectified is about 14s. per lb. in 1-cwt. lots.

BOIS DE ROSE. — Brazilian on the spot is 31s. and 29s. 9d., c.i.f.

CADE.—Supplies of Spanish are from 2s. per lb., ex warehouse, London.

CAJUPUT. — Spot supplies are 22s. 6d. per lb.

CITRONELLA.—In original drums prices (per lb.) are:—Ceylon, spot 3s. 5d., and shipment, 3s. 3d., c.i.f.; Java, spot, 3s. 10½d., in bond, and shipment, 3s. 9d. c.i.f.; Formosa, spot, 3s. 9d. in bond, and 3s. 8d., c.i.f., May-June shipment.

CLOVE. — English-distilled bud is from 65s. to 70s. per lb. Madagascar leaf is 9s. 6d. per lb., duty paid, and 8s. 6d. c.i.f. for shipment; redistilled (B.P.), from 17s. 6d. per lb., spot.

DILL.—B.P. English distilled oil is quoted at 60s. per lb. Imported oils are offered at from 30s. to 40s. per lb., as to origin.

EUCALYPTUS. — Drum lots of 70 to 75 per cent. eucalyptol on the spot are 4s. 3d. per lb., and 80 to 85 per cent., 4s. 6d.

FENNEL. — Spanish sweet on the spot is quoted about 11s. 6d. per lb.

HYDROCARPUS. — Spot is offered at 2s. 2d. per lb.

JUNIPER BERRY. — Imported oils are offered at 17s. 6d. per lb., duty paid. English-distilled is offered at 75s. to 80s. per lb.

LAVANDIN. — Spot supplies are offered at 17s. 6d. per lb.

LAVENDER. — French, 40-42 per cent. linalol on the spot is about 44s. per lb.

LAVENDER SPIKE. — Spanish is about 11s. per lb., duty paid. Firm at origin.

LEMON. — B.P. (4 per cent. citral) on the spot is from 40s. to 45s. per lb., and for shipment, 40s., c.i.f.

NUTMEG. — English-distilled oil is from 42s. 6d. to 44s. per lb. Imported oil is offered at 25s. per lb., duty paid, for drum lots.

ORANGE. — Spot offers for sweet vary as to quality and quantity from 11s. to 13s. per lb.

ORIGANUM. — In original containers the price is 14s. per lb.

OTTO OF ROSE.—Turkish is from 325s. per oz. and Bulgarian, 450s., nominal, spot.

PALMAROSA. — East Indian is from 42s. 6d. per lb., on the spot, and 40s., c.i.f.

PEPPERMINT. — *Arvensis*, Chinese, in drums is 28s. 6d. per lb. and Brazilian, 18s. Forward, Chinese, 27s. per lb., c.i.f. Japanese, 26s., c.i.f. Italian "Mitcham" type oil is 49s. to 52s. 6d. per lb., as to quality, for original drums. Forward, 47s. 6d., c.i.f.

PETITGRAIN.—Paraguay on the spot is from 17s. 6d. per lb. and 15s. 3d., c.i.f.

SASSAFRAS. — Brazilian natural is offering at 6s. 3d. per lb., duty paid, and 4s. 9d., c.i.f.

SPEARMINT. — Offers of B.P.C. quality are from 62s. 6d. per lb.

THYME.—B.P.C. is about 9s. 6d. per lb.

VETIVERT.—Bourbon in original drums on the spot is about 120s. 6d. per lb.

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TRADE MARKS

From the "Trade Marks Journal," April 29

For pharmaceutical preparations (5)

PRO-BANTHINE, 714,797, by G. D. Searle & Co., Illinois, U.S.A. BALTO, 714,816, by Gilbert Roberts Lane, Gloucester. VALDA-MILD, 715,068, by Pastival, Ltd., London, N.1. SERPASIL, 715,837, by Ciba, Ltd., Basle, Switzerland. BILIOBAR, 715,982, by Dr. A. Wander, S.A., Berne, Switzerland.

For all goods (5)

NIVEMBIN, 714,831, by May & Baker, Ltd., Dagenham. LUCOZOID, 715,338, by Lucozade, Ltd., Brentford. VETABLEND, 715,492, by Glaxo Laboratories, Ltd., Greenford.

For medicated wads, tampons and dressings (5) HYDROPHANE, 715,206, by Edward Charles Edmund Hemsted, London, N.20.

For non-medicated toilet papers (16)

LIPTOL, 714,803, by Lipton's Paper Mills, Ltd., London, W.4.

For hair nets (26)

LADY FAYRE, 715,546, by A. Burnet & Co., Ltd., London, W.1.

From the "Trade Marks Journal," May 6

For fertilisers and soil-conditioning preparations for use in agriculture and horticulture (1)

COLLUMUS, PLASTOPOST, 711,855-56, by Soil Colloids, Ltd., Rayleigh.

For chemical preparations for strengthening the fabric of stockings and like articles (1) and (3)

NYLIFE, 714,667-68, by E. Griffiths Hughes, Ltd., Salford.

For soaps (3)

ANORGANA, 708,462, by Anorgana, Oberbayern, Germany.

For lotions and dressings all for the hair (3)

PILOZEVIL, 715,899, by Joao Guimares, Oporto, Portugal.

For pharmaceutical preparations (5)

DEXTROSOL, B703,902, by Corn Products Refining Co., New York, U.S.A. PROBEX, 712,174, by John Wych & Brother, Ltd., London, N.16. CHLOROPRIN, 712,470, by New Hygiene, Ltd., London, N.7. NISAPAS, 714,000, by Cecil Patrick Malley and George Stanley Muirhead, London, N.W.1. SAKAPSA, B714,426, by H. W. Kilby & Son, Ltd., Luton. MEPHENAMIDE, 715,299, by Coates & Cooper, Ltd., West Drayton. DORIDEN, 715,792, by Ciba, Ltd., Basle, Switzerland. PYCAMISAN, 715,850, by Herts Pharmaceuticals, Ltd., Welwyn Garden City. AMIBIOCIDE, 715,905, by Société d'Etudes et de Prospections Chérifiennes, Tangier, Morocco.

For medicinal tablets for the relief of internal pain (5)

ANACIN, 710,518, by Whitehall Pharmacal Co., New York, U.S.A.

For antibiotics being pharmaceutical preparations (5)

ALYMYCIN, 713,409, by Farbenfabriken Bayer, Leverkusen, Germany.

For codeine prepared for use in medicine and pharmacy (5)

IRCODIN, 713,961, by J. R. Geigy, S.A., Basle, Switzerland.

For insecticides (5)

MALATHION, 714,655, by American Cyanamid Co., New York, U.S.A. ACTANE, 715,344, by Insecticide Activated Products, Ltd., London, S.W.1.

For vitamin concentrates (5)

MAXUM-DBEE, 715,765, by Couper, Friend & Co., London, E.C.3.

PRINT AND PUBLICITY

Periodicals

GEORGE T. GURR, LTD., 136 New King's Road, London, S.W.6: "Gurr's Commentary," No. 11, March 1953. Pp. 4.

Booklets, Leaflets, etc.

BRITISH CELLOPHANE, LTD., 12 Conduit Street, London, W.1: "Cellulose Film for Tropical Climates," Pp. 4. Written in Spanish and English. "Permeability," Pp. 4.

NATIONAL COAL BOARD, Hobart House, Grosvenor Place, London, S.W.1: Booklet on coal by-products. Pp. 8.

Medical Propaganda

ABBOTT LABORATORIES, LTD., Perivale, Greenford, Middlesex: "Selsun" (12-p. booklet); "What's New" (issue No. 10 of 16-p. medical magazine).

ROCHE PRODUCTS, LTD., Welwyn Garden City, Herts: "Obstetrics and Gynaecology" (16-p. booklet).

Advertising Campaigns

SPA BRUSHES, LTD.: Large spaces in daily and women's papers from May 18 for Spa toothbrushes made with "the new Nylon," which the company call Sparklon.

R. J. REUTER CO., LTD.: Regular half-pages commencing in May in women's periodicals and national picture newspapers for 4711 eau de Cologne.

F. W. HAMPSHIRE & Co., LTD., Sunnysdale Works, Derby: Large-scale advertising for Lorelox soapless shampoo commences in May in national newspapers, women's magazines and weeklies.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, May 17

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, visit to Windsor. Coaches leave White Horse Hotel, Congreve Street, Birmingham, at 8 a.m. and stop at Robin Hood Hotel, Hall Green, about 8.20 a.m.

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Romford golf club, at 2 p.m. Competition for prize presented by chairman (Mr. K. F. Moorey).

Monday, May 18

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, the Unicorn, Gidea Park, Essex, at 7.30 p.m. Meeting to hear reports from the Branch's delegates to the Society's Branch Representatives' meeting.

Tuesday, May 19

READING BRANCH, PHARMACEUTICAL SOCIETY, Great Western Hotel, Station Road, Reading at 8 p.m. Annual meeting.

Wednesday, May 20

BRIGHTON AND HOVE PHARMACISTS' SPORTS CLUB, Henfield Sports ground, Sussex, at 6.15 p.m. Match.

Thursday, May 21

ABERDARE AND MERTHYR BRANCH, PHARMACEUTICAL SOCIETY, Aberdare golf club at 1 p.m. Open summer meeting (last cards, 5.30 p.m.).

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Fuller's café, Parliament Street, Harrogate, at 7.30 p.m. Annual meeting.

KING'S LYNN BRANCH, NATIONAL PHARMACEUTICAL UNION, Duke's Head Hotel, King's Lynn, at 7.45 p.m. Annual meeting.

MANCHESTER AND SALFORD BRANCH, NATIONAL PHARMACEUTICAL UNION, council chamber, Houldsworth hall, Deansgate, Manchester, at 7.45 p.m. Annual meeting.

THAMES VALLEY PHARMACISTS' ASSOCIATION, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Mr. A. Aldington (immediate past-president, Photographic Dealers Association) on "Flash Photography."

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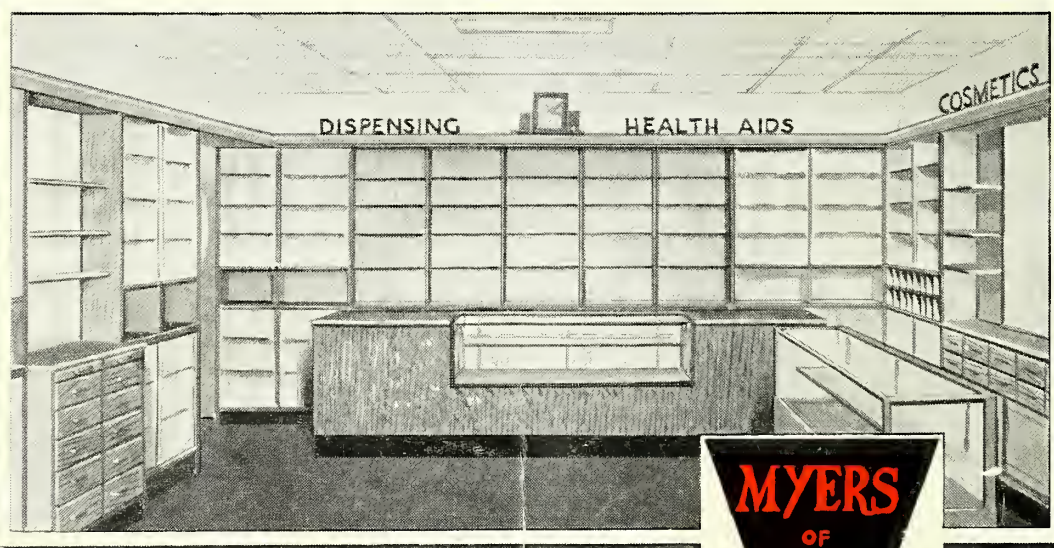
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